

Australian Standard 2355—1980

HERMETICALLY SEALED ROUND CYLINDRICAL METAL CANS FOR FOOD AND DRINKS — CAPACITIES AND DIMENSIONS



STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter



THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL ORGANIZATIONS and departments were officially represented on the committee entrusted with the preparation of this standard:

Australian Cannery Association
Canmakers Institute of Australia
Confederation of Australian Industry
Department of Primary Industry
Grocery Manufacturers of Australia Ltd
National Meat Cannery Association
National Standards Commission
Packaging Council of Australia
Standing Committee on Packaging

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AUSTRALIAN STANDARD

**HERMETICALLY SEALED
ROUND CYLINDRICAL METAL
CANS FOR FOOD AND
DRINKS—CAPACITIES AND
DIMENSIONS**

AS 2355—1980

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PREFACE

This standard was prepared by the Association's Committee on Metal Cans for Food Products under the direction of the Association's Packaging Standards Board. It results from a review of the following standards:

AS 1699—1974 Dimensions and Capacities of Hermetically Sealed Cylindrical Food Cans for Packaging Products Sold by Mass

AS 2015—1978 Dimensions and Capacities of Hermetically Sealed Cylindrical Cans for Packaging Products Sold by Volume

and the combining of two standards into a single standard. Both of the above standards are accordingly superseded by this standard.

The standard is now closely aligned with standards of the International Organization for Standardization (ISO) which have been changed considerably since AS 1699 and AS 2015 were first published. At the date of publication it is also aligned with the guidelines of the Standing Committee on Packaging (SCP).*

The changes that have been made in specifications will not require any change in the actual dimensions of the standard range of cans made in Australia but will mean that Australian-made cans will be recognizable in terms of designation and specifications of International standards.

Nominal capacities have been introduced for each can in line with ISO standards and this has meant slightly altering the capacity limits given in the former standards.

The words 'gross lidded capacity' used in the former standards have been discontinued as 'capacity' has the same meaning in the ISO nomenclature.

The nominal diameters formerly specified as 66 mm, 84 mm and 154 mm are now specified as 65 mm, 83 mm and 153 mm respectively to conform to a revised method of arriving at nominal diameters adopted by ISO.

Although can height is not specified in ISO standards, this dimension has been retained in the Australian standard without alteration to the heights formerly specified.

Within Australia, State and Territorial Weights and Measures Authorities require by legislation for some commodities, and recommend for the remainder, that the packing denominations of prepacked articles conform to masses or volumes specified by the Standing Committee on Packaging (SCP).

State and Territorial Authorities, however, have uniformly agreed through the Standing Committee on Packaging 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 listed in column 4 of Table 1. It should be noted that certain product volumes marked in column 4 of Table 1 are transitional quantities only and no guarantee is given by SCP of acceptance beyond 1 January 1982.

In certain circumstances, due to filling characteristics, the recommended product volumes in column 4 of Table 1 may not be achieved. In such cases alternative volumes should be negotiated with the Standing Committee on Packaging through a State or Territorial Weights and Measures Authority.

For further information on the SCP guidelines, reference should be made to any member of the Standing Committee on Packaging.

This standard requires reference to AS 2354, Hermetically Sealed Metal Cans for Food and Drinks—Terminology and Determination of Dimensions and Capacities (equivalent to ISO 90). Reference may also be necessary to AS 2400, SAA Packaging Code—Part 1, Glossary of Terms.

*Representatives of State and Territorial Authorities and Department of Business and Consumer Affairs with a Chairman and Secretary from the National Standards Commission, meet regularly as a 'Standing Committee on 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.

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STANDARDS ASSOCIATION OF AUSTRALIA**Australian Standard
for
HERMETICALLY SEALED ROUND CYLINDRICAL METAL CANS FOR FOOD
AND DRINKS—CAPACITIES AND DIMENSIONS**

1 SCOPE. This standard specifies a range of capacities with related diameters and heights for hermetically sealed round cylindrical metal cans for use in packaging of food and drinks.

2 APPLICATION. The standard applies to three-piece and two-piece cans including cans with necked-in and beaded features.

Cans for packing products sold by mass shall be selected from any specification in the range. Cans for packing products sold by volume shall be selected only from those cans for which a product volume is specified.

NOTE: The specifications are for use in commercial transactions. Where precise engineering dimensions need to be applied to fit precision packing and closing equipment, details may be negotiated between the purchaser and the supplier (or suppliers) conforming to the limits prescribed in this standard.

3 DEFINITIONS AND MEASUREMENTS. Definitions of terms, determination of capacity and determination of diameter, shall be in accordance with AS 2354.

4 CAPACITIES. Nominal can capacities are given in Table 1 (according to nominal diameter and height). Measured capacity, namely internal volume of

the closed can, shall conform to the limits shown in Appendix A.

NOTE: Appendix A also describes for information purposes how approximate capacity may be calculated from measured diameter and height.

5 DIAMETERS. Nominal can diameters for each capacity are given in Table 1. Measured diameter, namely internal diameter of the body, shall conform to the limits shown in Appendix B.

NOTES:

1. Measurement of the distance between diametrically opposite points on the inside of the double seam is an approximate method of determining internal diameter.
2. Where necked-in cans are specified, end diameters are also specified in Table 1. Measured end diameters, namely internal diameter of the can aperture to which the end is fixed, shall conform to the limits specified in Appendix B.

6 HEIGHTS. Nominal can heights for each capacity are given in Table 1. Measured 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.

7 DESIGNATION. Cans shall be designated by nominal capacity, nominal diameter and nominal height.