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DIMENSIONS AND CAPACITIES OF NON- ROUND THREE-PIECE METAL CANS FOR FOOD PRODUCTS SOLD BY MASS



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 Packaging Association
Standing Committee on Packaging

This standard, prepared by Committee PK/8, Metal Cans for Food, was approved on behalf of the Council of the Standards Association of Australia on 30 August 1978, and was published on 1 December 1978.

To keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvements to published standards, addressed to the head office of the Association, are welcomed.

This standard was issued in draft form for public review as DR 76094.

AUSTRALIAN STANDARD SPECIFICATION

**DIMENSIONS AND
CAPACITIES OF NON-
ROUND THREE-PIECE
METAL CANS FOR FOOD
PRODUCTS SOLD BY MASS**

AS 2215—1978

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PREFACE

This standard was prepared by the Association's Committee on Metal Cans for Food in response to a request from the Metric Conversion Board. It specifies nominal dimensions and gross lidded capacities for a range of three-piece rectangular and pear-shaped cans for packaging food products which are to be sold by mass on the Australian retail market. It represents a rationalization of the cans currently in use and takes into consideration equivalent work which is being undertaken by the International Organization for Standardization (ISO), while having due regard to Australian practices and requirements. It is a companion document to AS 1699, Dimensions and Capacities of Hermetically Sealed Cylindrical Food Cans for Packaging Products Sold by Mass, and to AS 2015, Dimensions and Capacities of Hermetically Sealed Cylindrical Cans for Packaging Products Sold by Volume.

This standard makes reference to the following international standard:
**ISO 90 Hermetically Sealed Metal Cans for Food and Drink—
Specifications.**

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard Specification for DIMENSIONS AND CAPACITIES OF NON-ROUND THREE-PIECE METAL CANS FOR FOOD PRODUCTS SOLD BY MASS

1 SCOPE. This specification relates to the dimensions and capacities of hermetically sealed three-piece rectangular and pear-shaped metal cans, of capacity less than 2000 mL, used for packaging food products sold by mass.

NOTES:

1. Cans for export need not comply with this standard.
2. In accordance with the guidelines used by the International Organization for Standardization (ISO), cans with capacities greater than 2000 mL are regarded as institutional or catering packs rather than retail items. They are therefore excluded from this standard but it is recommended that these larger cans, i.e. with capacities greater than 2000 mL, used in Australia should be designed to conform with the requirements of the Statement of Principles on Metric Conversion and the Quantity Marking and Standardization of Packaged Goods adopted by the Standing Committee on Packaging.

2 DEFINITIONS. For the purpose of this specification, the following definitions apply:

Cross-section—the internal cross-section of the body of a can measured as shown in Fig. 1.

Height—the overall height of a can.

Gross lidded capacity—the internal volume of the closed can, in millilitres, when determined by the method described in international standard ISO 90.

Pear-shaped can—a can with a modified elliptical shape as shown in Fig. 1(b).

Rectangular can—a can with a square or rectangular shape modified by rounded corners as shown in Fig. 1(a).

Tapered can—a can in which the cross-section decreases with increase in height.

Three-piece can—a can made from three main components, viz. a body and the top and bottom ends.

3 DIMENSIONS. Rectangular and pear-shaped cans shall be designated by the nominal dimensions A and B and height, as shown in Fig. 1 and Tables 1 and 2. The measured diameter, cross-section and height, as appropriate, shall not vary from the nominal by more than ± 1 mm.