

Australian Standard™

## **Freight containers**

### **Part 1: Classification, dimensions and ratings**

[Modified and containing the full text of ISO 668:1995]

This Australian Standard was prepared by Committee ME/68, Freight Containers. It was approved on behalf of the Council of Standards Australia on 31 August 1999 and published on 24 January 2000.

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The following interests are represented on Committee ME/68:

Australasian Railway Association  
Australian Chamber of Shipping  
Australian Maritime Safety Authority  
AUSTROADS  
Department of Defence (Australia)  
Germanischer Lloyd  
National Freight Forwarders Association  
National Road Transport Commission

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## Freight containers

### Part 1: Classification, dimensions and ratings

Originated as AS/NZS 3711.1:1993.  
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## PREFACE

This Standard was prepared by the Standards Australia Committee ME/68, Freight Containers to supersede AS/NZS 3711.1:1993. It modifies and has been reproduced from ISO 668:1995, *Series 1 freight containers—Classification, dimensions and ratings*.

This Standard is Part 1 of the AS or AS/NZS 3711, *Freight containers* series. The series comprises—

AS 3711.1	Part 1: Classification, dimensions and ratings
AS/NZS 3711.2	Part 2: Terminology
AS/NZS 3711.3	Part 3: Corner fittings
AS/NZS 3711.4	Part 4: General purpose containers
AS 3711.5	Part 5: Thermal containers
AS 3711.6	Part 6: Tank containers
AS/NZS 3711.7	Part 7: Dry bulk containers
AS 3711.8	Part 8: Platform containers
AS 3711.9	Part 9: Coding, identification and marking
AS 3711.10	Part 10: Handling and securing

Changes since the last edition include the following:

- (a) Inclusion of changes incorporated in ISO 668:1995.
- (b) Addition of longitudinal location of corner fittings for series R freight containers for Australia.

The number of this Standard is not reproduced on each page. Its identity is shown only on the cover and the title page.

For the purposes of this Standard, the text of ISO 668:1995 should be modified as follows:

- (i) Substitute 'Australian Standard' for 'International Standard' wherever it occurs.
- (ii) Substitute a full point (.) for a comma (,) as a decimal marker.
- (iii) Variations between ISO 668 and this Standard, for application in Australia only, are set out in Appendix ZZ. These variations are indicated by a marginal bar against each clause, table, figure or part thereof affected.
- (iv) Replace references to other publications by references to Australian or Australian/New Zealand Standards as follows:

<i>Reference to International Standard</i>		<i>Australian or Australian/New Zealand Standard</i>	
ISO		AS/NZS	
1161	Series 1 freight containers— Corner fittings—Specification	3711 3711.3	Freight containers Part 3: Corner fittings
1496	Series 1 freight containers— Specification and testing—	3711.4	Part 4: General purpose containers
1496-1	Part 1: General cargo containers for general purposes	AS	
1496-2	Part 2: Thermal containers	3711.5	Part 5: Thermal containers
6346	Freight containers—Coding, identification and marking	3711.9	Part 9: Coding, identification and marking

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

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## AUSTRALIAN STANDARD

### Freight containers

#### Part: 1: Classification, dimensions and ratings

#### 1 Scope

This International Standard establishes a classification of series 1 freight containers based on external dimensions, and specifies the associated ratings and, where appropriate, the minimum internal and door opening dimensions for certain types of containers.

These containers are intended for intercontinental traffic.

This International Standard summarizes the external and some of the internal dimensions of series 1 containers. The dimensions of each type of container are defined in the appropriate part of ISO 1496, which is the authoritative document for internal container dimensions.

#### 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1161:1984, *Series 1 freight containers — Corner fittings — Specification*.

ISO 1496-1:1990, *Series 1 freight containers — Specification and testing — Part 1: General cargo containers for general purposes*.

1) To be published. (Revision of ISO 1496-2:1988)

ISO 1496-2:—<sup>1)</sup>, *Series 1 freight containers — Specification and testing — Part 2: Thermal containers*.

ISO 6346:1995, *Freight containers — Coding, identification and marking*.

#### 3 Definitions

For the purposes of this International Standard, the following definitions apply. See also ISO 830:1981, *Freight containers — Terminology*.

**3.1 freight container:** Article of transport equipment

- a) of a permanent character and accordingly strong enough to be suitable for repeated use;
- b) specially designed to facilitate the carriage of goods by one or more modes of transport, without intermediate reloading;
- c) fitted with devices permitting its ready handling, particularly its transfer from one mode of transport to another;
- d) so designed as to be easy to fill and empty;
- e) having an internal volume of 1 m<sup>3</sup> (35,3 ft<sup>3</sup>) or more.

The term "freight container" includes neither vehicles nor conventional packing.

**3.2 ISO container:** Freight container complying with all relevant ISO container standards in existence at the time of its manufacture.