



Freight containers

Part 4: General purpose containers (ISO 1496-1:2013, MOD)



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The following are represented on Committee ME-068:

- Australasian Railway Association (RISSB)
 - Australian Industry Group
 - Australian Logistics Council
 - Australian Maritime Safety Authority
 - Container Owners Association
 - ICHCA Australia
 - Ports of Auckland
 - Royalwolf Trading New Zealand
 - Shipping Australia
-

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Australian Standard[®]

Freight containers

Part 4: General purpose containers (ISO 1496-1:2013, MOD)

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-068, Freight Containers, to supersede AS/NZS 3711.4:1993, *Freight containers, Part 4: General purpose containers*. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to provide the basic specifications and testing requirements for freight containers of the totally enclosed general purpose types and certain specific purpose types which are suitable for international exchange and for conveyance of goods by road, rail and sea, including interchange between these forms of transport.

The objective of this revision is to adopt the latest edition of the corresponding International Standard.

This Standard is an adoption with national modifications and has been reproduced from ISO 1496-1:2013, *Series 1 freight containers—Specification and testing, Part 1: General cargo containers for general purposes*. Appendix ZZ lists the variations to ISO 1496-1:2013 for the application of this Standard in Australia.

Additional Appendix ZA has been added to specify the dimensions of straddle lifting areas.

This Standard is Part 4 of the AS(/NZS) 3711 series. The series comprises the following:

AS

3711	Freight containers
3711.1	Part 1: Classification, dimensions and ratings (ISO 668:2013, MOD)
3711.2	Part 2: Terminology (ISO 830:1999, MOD)
3711.3	Part 3: Corner fittings (ISO 1161:1984, MOD)
3711.4	Part 4: General purpose containers (ISO 1496-1:2013, MOD) (this Standard)
3711.5	Part 5: Thermal containers (ISO 1496-2:2008, MOD)
3711.6	Part 6: Tank containers
3711.8	Part 8: Platform containers
3711.9	Part 9: Coding, identification and marking
3711.10	Part 10: Handling and securing

AS/NZS

3711	Freight containers
3711.7	Part 7: Dry bulk containers

As this Standard is reproduced from an International Standard, the following applies:

- In the source text 'this part of ISO 1496' should read 'this Australian Standard'.
- A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
ISO		AS	
668	Series 1 freight containers—Classification, dimensions and ratings	3711	Freight containers
		3711.1	Part 1: Classification, dimensions and ratings (ISO 668:2013, MOD)
830	Freight containers—Vocabulary	3711.2	Part 2: Terminology (ISO 830:1999, MOD)

1161 Series 1 freight containers—Corner fittings—Specification	3711.3 Part 3: Corner fittings (ISO 1161:1984, MOD)
6346 Freight containers—Coding, identification and marking	3711.9 Part 9: Coding, identification and marking

Only normative references that have been adopted as Australian Standards have been listed.

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

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INTRODUCTION

The following grouping of container types is used for specification purposes in ISO 1496:

Part 1	
General purposes	00 to 09
Specific purposes	
— closed, vented/ventilated	10 to 19
— open top	50 to 59
Part 2	
Thermal	30 to 49
Part 3	
Tank	70 to 79
Bulk, pressurized	85 to 89
Part 4	
Bulk, non-pressurized (box type)	20 to 24
Bulk, non-pressurized (hopper-type)	80 to 84
Part 5	
Platform (container)	60
Platform-based with incomplete superstructure and fixed ends	61 and 62
Platform-based with incomplete superstructure and folding ends	63 and 64
Platform-based with complete superstructure	65 to 69

NOTE 1 Container types 90 to 99 are reserved for air/surface containers; see ISO 8323.

NOTE 2 The following conversions can be useful when using this part of ISO 1496:

- 5 mm = 3/16 in
- 6 mm = 1/4 in
- $12,5\text{ mm}^{+5}_{-1,5} \text{ mm} = 1/2 \text{ in}^{+3/16}_{-1/13} \text{ in}$
- 25 mm = 1 in
- 60 mm = 2 3/8 in
- 250 mm = 9 7/8 in
- 470 mm = 18 1/2 in
- 550 mm = 21 5/8 in
- 750 mm = 29 1/2 in
- 1 000 mm = 39 3/8 in

- 2 134 mm = 7 ft
- 2 261 mm = 7 ft 5 in
- 2 286 mm = 7 ft 6 in

AUSTRALIAN STANDARD

Freight containers

Part 4:

General purpose containers (ISO 1496-1:2013, MOD)

1 Scope

1.1 This part of ISO 1496 specifies the basic specifications and testing requirements for ISO series 1 freight containers of the totally enclosed general purpose types and certain specific purpose types (closed, vented, ventilated or open top) which are suitable for international exchange and for conveyance by road, rail and sea, including interchange between these forms of transport.

1.2 The container types covered by this part of ISO 1496 are given in [Table 1](#).

Table 1 — Container types (in accordance with ISO 6346:1995, Amd 3:2012, Table E 1)

Code	Type designation	Type group code
G	General purpose container without ventilation	GP
V	General purpose container with ventilation	VH
U	Open-top Container	UT
B	Dry Bulk Cargo non pressurized, box type	BU
S	Named Cargo	SN

This part of ISO 1496 does not cover ventilation arrangements, either vented or ventilated.

1.3 The marking requirements for these containers are given in ISO 6346:1995, Amd 3:2012.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 668:1995, *Series 1 freight containers — Classification, dimensions and ratings*

ISO 830:1999, *Freight containers — Vocabulary*

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

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

ISO 17712, *Freight containers — Mechanical seals*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 830 apply.