INTERNATIONAL STANDARD

ISO 1496-1

Sixth edition
2013-07-01

Series 1 freight containers — Specification and testing —

Part 1: General cargo containers for general purposes

Conteneurs de la série 1 — Spécifications et essais —

Partie 1: Conteneurs d'usage général pour marchandises diverses

Reference number
ISO 1496-1:2013(E)

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Published in Switzerland

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2. www.iso.org/directives

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received. www.iso.org/patents

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

The committee responsible for this document is ISO/TC 104, *Freight containers*, SC 1, *General purpose containers*.

This sixth edition cancels and replaces the fifth edition (ISO 1496-1:1990), which has been technically revised. It also incorporates the Amendments ISO 1496-1:1990/Amd1:1993, ISO 1496-1:1990/Amd2:1998, ISO 1496-1:1990/Amd3:2005, ISO 1496-1:1990/Amd4:2006, ISO 1496-1:1990/Amd5:2006.

ISO 1496 consists of the following parts, under the general title *Series 1 freight containers — Specification and testing*:

— *Part 1: General cargo containers for general purposes*

— *Part 2: Thermal containers*

— *Part 3: Tank containers for liquids, gases and pressurized dry bulk*

— *Part 4: Non-pressurized containers for dry bulk*

— *Part 5: Platform and platform-based containers*

Annexes A to F form an integral part of this part of ISO 1496.

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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	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

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

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Series 1 freight containers — Specification and testing —

Part 1: General cargo containers for general purposes

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.

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