ADOPTION NOTICE

ISO1496-1, "Series 1 Freight Containers - Specification and Testing - Part 1: General Cargo Containers for General Purposes," was adopted on October 3, 1994, for use by the Department of Defense (DoD). Proposed changes by DoD activities must be submitted to the DoD Adopting Activity: Commander, Program Support Directorate, Marine Corps Systms Command, 2033 Barnett Avenue, Suite 315, Quantico, VA 22134-5010. DoD activities may obtain copies of this standard from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094. The private sector and other Government agencies may purchase copies from the American National Standards Institute, 11 West 42nd Street, New York, NY 10036.

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INTERNATIONAL STANDARD

ISO 1496-1

Fifth edition
1990-08-15

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 : 1990 (E)

Contents

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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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 1496-1 was prepared by Technical Committee ISO/TC 104, *Freight containers*.

This fifth edition cancels and replaces the fourth edition (ISO 1496-1 : 1984). It incorporates Amendment 1 and Draft Amendment 2.

ISO 1496 will consist 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. Annex G is for information only.

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
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Platform-based with incomplete superstructure and folding ends	63 and 64
Platform-based with complete superstructure	65 to 69

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

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

Type code designation[1)]	Type
00 to 04	Closed, including opening roof
10, 11	Closed, vented
13, 15, 17	Closed, ventilated
50 to 53	Open-top

1) In accordance with ISO 6346.

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.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 1496. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 1496 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 668 : 1988, *Series 1 freight containers — Classification, dimensions and ratings.*

ISO 830 : 1981, *Freight containers — Terminology.*

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

ISO 6346 : 1984, *Freight containers — Coding, identification and marking.*

3 Definitions

For the purposes of this part of ISO 1496, the definitions given in ISO 830 apply.

4 Dimensions and ratings

4.1 External dimensions

The overall external dimensions and tolerances of the freight containers covered by this part of ISO 1496 shall be those established in ISO 668 except that open-top containers may be of reduced height, in which case they shall be designated 1AX, 1BX, 1CX and 1DX. No part of the container shall project beyond these specified overall external dimensions.

4.2 Internal dimensions

Internal dimensions of containers shall be as large as possible, but, in any case:

— closed containers type 00 shall comply with the requirements for minimum internal length, width and height given in 4.3;

— containers type 02, having partial opening(s) in the side(s), shall comply with the requirements for minimum internal length and height given in 4.3;

— containers type 03, having an opening roof, shall comply with the requirements for minimum internal length and width given in 4.3;

— containers types 01 and 04, having openings in the side(s) and/or roof, shall comply with the requirements for minimum internal length given in 4.3;

— closed, vented containers types 10 and 11 shall comply with the requirements for minimum internal length, width and height given in 4.3;