

INTERNATIONAL STANDARD

ISO
1496-1

First edition
1990-08-15

AMENDMENT 4
2006-11-01

Series 1 freight containers — Specification and testing —

Part 1:

**General cargo containers for general
purposes —**

AMENDMENT 4

Conteneurs de la série 1 — Spécifications et essais —

Partie 1. Conteneurs d'usage général pour marchandises diverses —

AMENDEMENT 4



Reference number
ISO 1496-1:1990/Amd.4:2006(E)

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Published in Switzerland

Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

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.

Amendment 4 to ISO 1496-1:1990 was prepared by Technical Committee ISO/TC 104, *Freight containers*, Subcommittee SC 1, *General purpose containers*.

Amendment 4 to ISO 1496-1:1990 introduces modifications to ISO 1496-1:1990 and its Amendment 1 from 1993.

Series 1 freight containers — Specification and testing —

Part 1: General cargo containers for general purposes

AMENDMENT 4

Page 1, Clause 2

Update the Normative references as follows:

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

ISO 830:1999, *Freight containers — Vocabulary*

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

Page 2, Table 2

Add the following to Table 2, before row **1A**:

Freight container designation	Minimum height	Minimum width		Minimum length		
		mm	in	mm	ft	in
1EE	Nominal container external height minus 241 mm (9 1/2 in)	2 330	91 3/4	13 542	44	5 5/32

Page 2, subclause 5.2

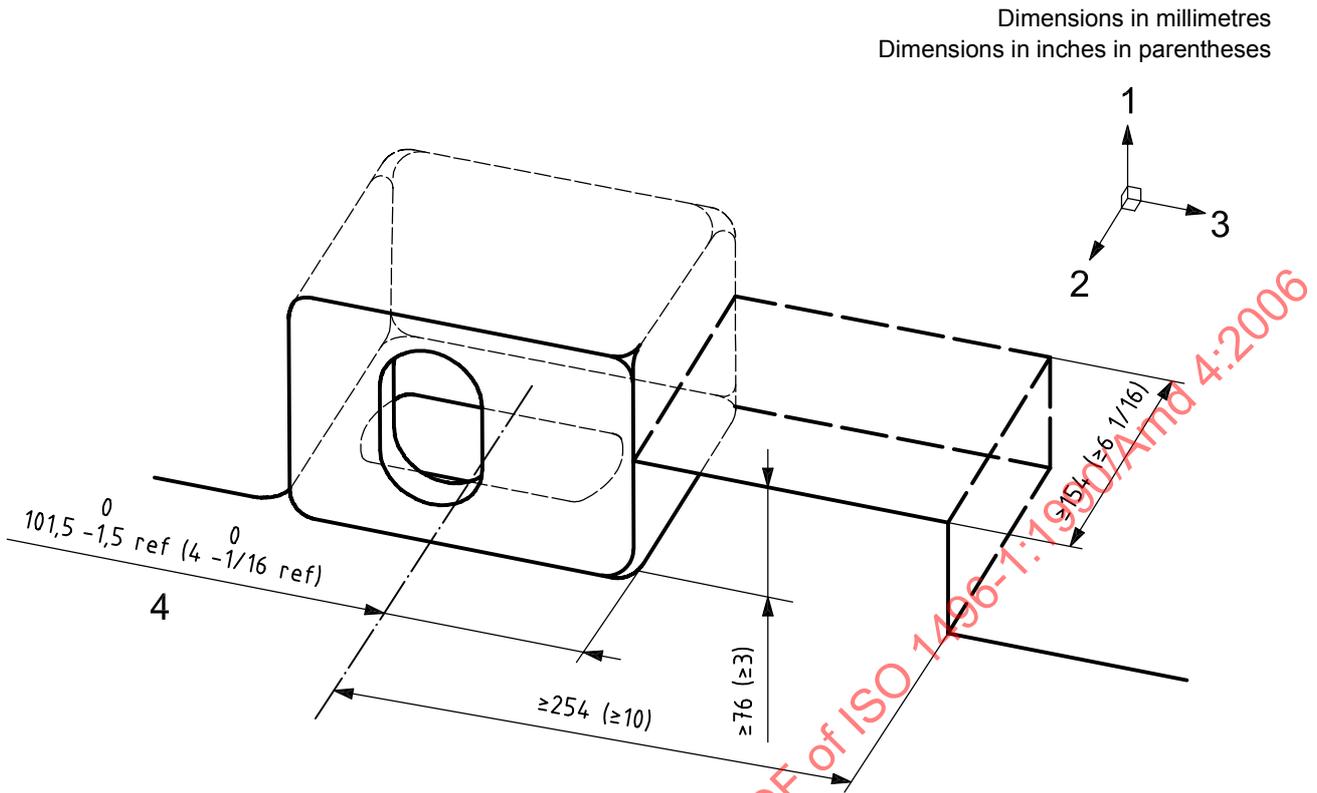
Replace the first two sentences with the following:

“All containers shall be equipped with top and bottom corner fittings. 1EEE and 1EE units shall also have intermediate fittings in the 1AAA/1AA/1A position, according to ISO 1161.”

Page 3, subclause 5.3

Add a new subclause 5.3.6 and Figure 1 after subclause 5.3.5:

5.3.6 1EEE and 1EE units shall have recesses longitudinally-outboard of each of their fittings in the 1AAA/1AA/1A position. These recesses shall extend vertically to not less than 76 mm above the plane of the bottom faces of the fittings in the 1AAA/1AA/1A position, shall extend longitudinally from the longitudinally-outboard faces of the fittings in the 1AAA/1AA/1A position outboard to not less than 254 mm from the centrelines of the bottom apertures of the fittings in the 1AAA/1AA/1A position, and shall extend laterally from the external width of the container inboard not less than 154 mm. See Figure 1.”



- Key**
- 1 UP
 - 2 outboard
 - 3 end of container
 - 4 aperture

Figure 1 — Lower intermediate fitting recess for 45 foot container

Page 4, subclause 5.8.1.1

In the second paragraph, add the following before 1AA:

“1EE”

Page 4, subclause 5.8.3 [this correction also applies to ISO 1496-1/Amd.1:1993(E)]

On the second line, before 1AA, add:

“1EE” and “1EEE”

Page 5, Table 3

Add the following to Table 3, before row 1A, 1AA and 1AX.

Container designation	Test force per container (all four corners simultaneously)		Test force per pair of end fittings		Superimposed mass represented by test force	
	kN	lbf	kN	lbf	kg	lb
1EE	3 767	846 854	1 883	423 314	213 360	470 380

Change the Note in Table 3 to read "NOTE 1" and add the following:

NOTE 2 The following specifies the stacking loads for 1EEE/1EE containers in different modes:

1. stacking at 1EEE/1EE position and supported in 1EEE/1EE position (96 000 kg);
2. stacking at 1AAA/1AA/1A position and supported in 1AAA/1AA/1A position (41 150 kg);
3. stacking at 1AAA/1AA/1A position and supported in 1EEE/1EE position (27 430 kg); and
4. stacking at 1EEE/1EE position and supported in 1AAA/1AA/1A position (41 150 kg).

Page 5, subclause 6.3

Change the title to:

"Lifting from appropriate set of four top corner fittings"

Page 5, subclause 6.3.1

In the third line and in the last line, change the wording "the four top corner fittings" to:

"appropriate set of four top corner fittings"

Page 5, subclause 6.3.2

Delete the word "four" on the fourth line.

Add the following new paragraph:

"For 1EEE and 1EE containers, the lifting forces shall be applied vertically from the 1EEE/1EE position and separately from the 1AAA/1AA/1A position".

Page 6, subclause 6.4.2

Add the following after "Lifting forces shall be applied at":

"30° to the horizontal at both 1AAA/1AA/1A and 1EEE/1EE positions for 1EEE and 1EE containers with internal load of 2R-T;"

Replace the three notes with the following:

NOTE 1 The externally applied forces shown below are for one end or one side only. The loads shown with the containers represent uniformly distributed internal loads only, and such loads are for the whole container.

NOTE 2 The figures in this annex correspond to the tests described in 6.2 to 6.13 only when marked.

NOTE 3 For definitions of R , P and T , see 6.1.1.

Replace the figures A1, A.1A, A2, A3, A.3A, A4, A5 and A6 with the following:

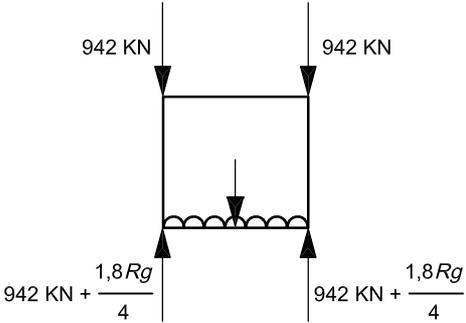
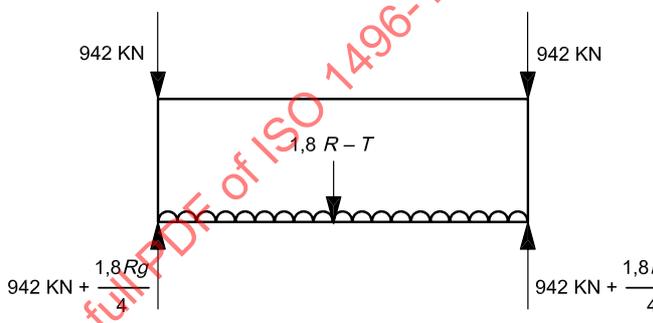
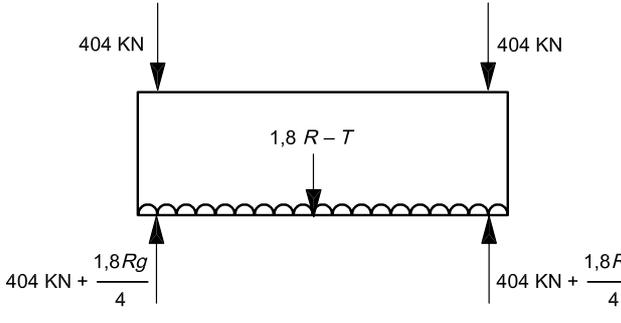
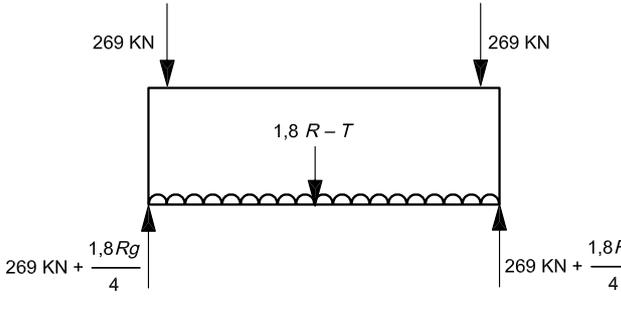
Figure No.	End elevations	Side elevations
<p>A.1a</p>	<p>Stacking Test No. 1</p> 	 <p>Not Applicable to 1 D and 1DX containers</p>
<p>A.1b</p>		 <p>Applicable to 1 EE and 1 EEE containers only</p>
<p>A.1c</p>		 <p>Applicable to 1 EE and 1 EEE containers only</p>

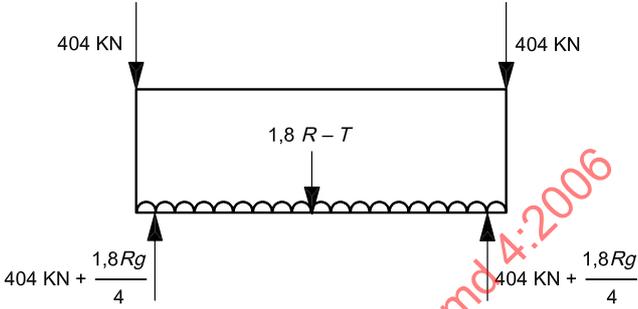
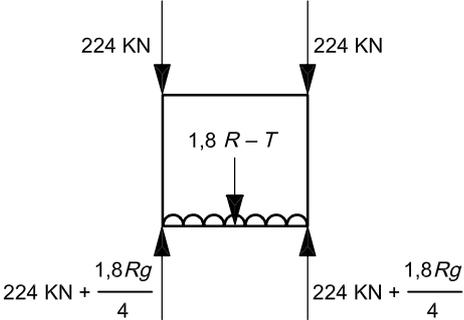
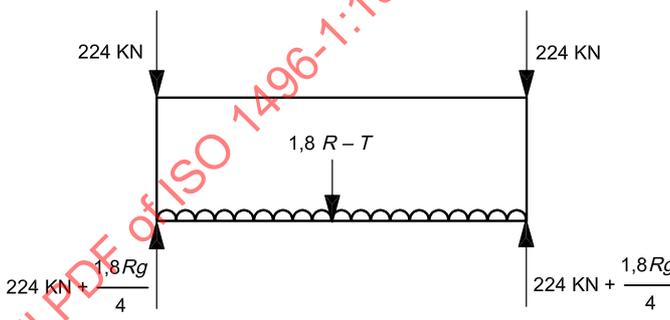
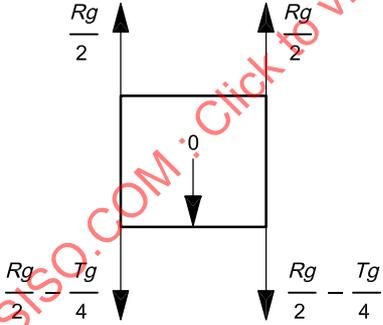
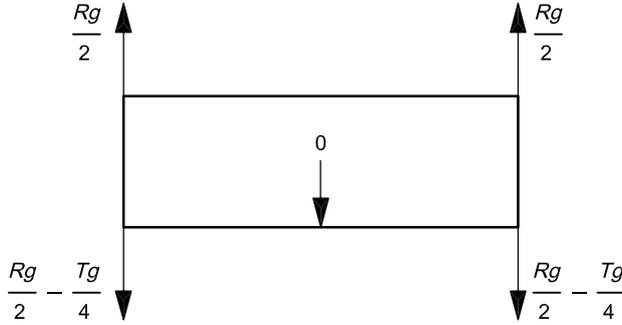
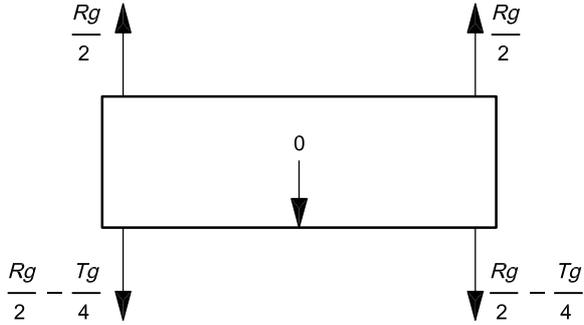
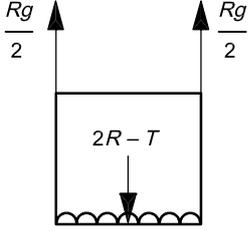
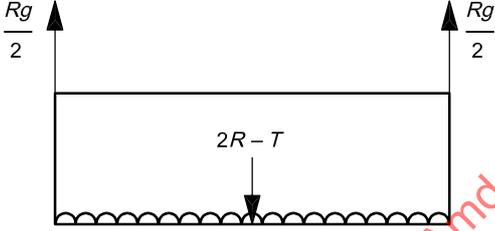
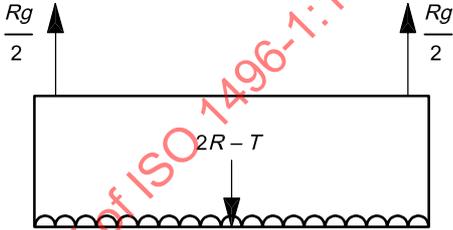
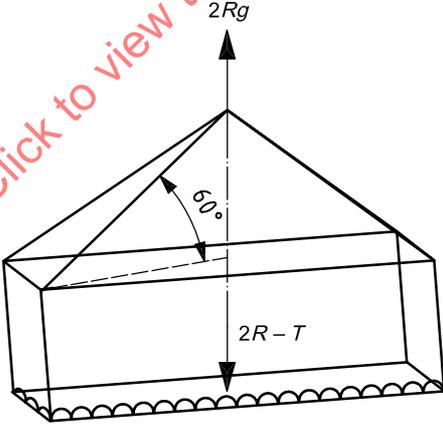
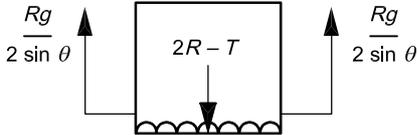
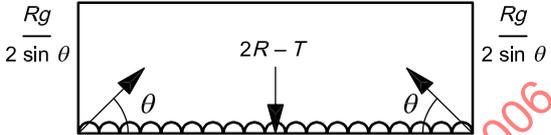
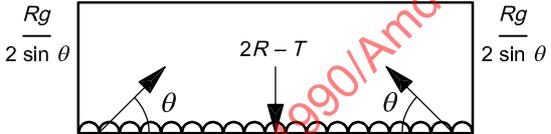
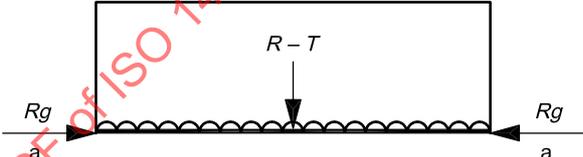
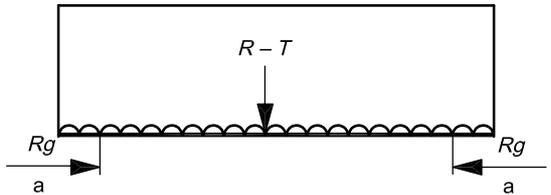
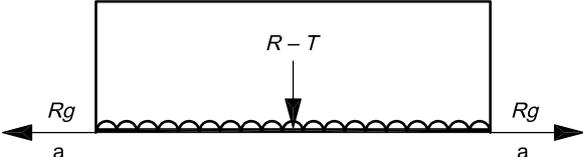
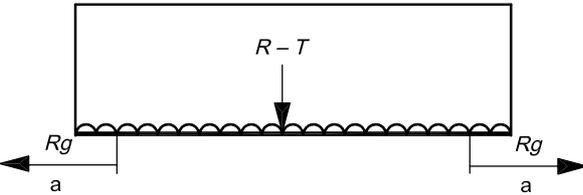
Figure No.	End elevations	Side elevations
A.1d		 <p data-bbox="874 680 1426 712">Applicable to 1 EE and 1 EEE containers only</p>
A.1e		 <p data-bbox="639 1106 1145 1137">Applicable to 1 D and 1DX containers only</p>
A.2a	<p data-bbox="300 1144 384 1176">Top lift</p> 	
A.2b		 <p data-bbox="874 1984 1426 2016">Applicable to 1 EE and 1 EEE containers only</p>

Figure No.	End elevations	Side elevations
<p>A.3a</p>	<p>Top lift Test No. 2</p> 	 <p>Not Applicable to 1 D and 1DX containers</p>
<p>A.3b</p>		 <p>Applicable to 1 EE and 1 EEE containers only</p>
<p>A.3c</p>		<p>Top lift Test No. 2</p>  <p>Applicable to 1 D and 1DX containers only</p>

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Figure No.	End elevations	Side elevations
<p>A.4a</p>	<p>Bottom lift Test No. 3</p> 	
<p>A.4b</p>		 <p>Applicable to 1 EE and 1 EEE containers only</p>
<p>A.5a</p>	<p>Restraint (longitudinal) Test no. 4</p>	
<p>A.5b</p>		 <p>Applicable to 1 EE and 1 EEE containers only</p>
<p>A.6a</p>		
<p>A.6b</p>		 <p>Applicable to 1 EE and 1 EEE containers only</p>

^a Per side.