

INTERNATIONAL STANDARD

ISO 3874

First edition
1997-12-15

AMENDMENT 2
2002-07-01

Series 1 freight containers — Handling and securing

AMENDMENT 2: Vertical tandem lifting

Conteneurs de la série 1 — Manutention et fixation

AMENDEMENT 2: Levage vertical en tandem

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Reference number
ISO 3874:1997/Amd.2:2002(E)

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Printed in Switzerland

Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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 Amendment may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

Amendment 2 to International Standard ISO 3874:1997 was prepared by Technical Committee ISO/TC 104, *Freight containers*, Subcommittee SC 1, *General purpose containers*.

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AMENDMENT 2: Vertical tandem lifting

ISO 3874:1997

Page 6

Add a new paragraph 6.2.5 after the existing 6.2.4, as follows:

6.2.5 The vertical coupling of containers that are not specifically designed as in 6.2.4 for lifting purposes, using twistlocks or other loose gear, is acceptable if forces of not greater than 75 kN¹⁾ act vertically through each corner fitting, and the twistlocks or other loose gear used are certified²⁾ for lifting. The twistlocks or other loose gear shall be periodically examined.”

Add the following footnotes 1 and 2 at the bottom of the page where the new paragraph 6.2.5 appears:

1) The value of 75 kN prescribes the minimum structural capability of the lock/corner fitting combination. The 75 kN value includes an arbitrary constant wind load of 26 kN (corresponding wind speed of 100 km/h), regardless of the size of the containers. As an example, the balance of the 75 kN value equates to two 1AAA containers with a combined tare of 22 kN and a maximum payload of 27 kN. A practical upper limit of three vertically-coupled containers is also envisaged.

2) The certification process envisaged is to use a safety factor of at least four based on the ultimate strength of the material.”

ISO 3874:1997, Amendment 1:2000

Page 2, Annex A, A.1

Modify the last sentence as follows:

“Twistlocks are also used to connect and lift containers.”

Page 13, Annex B, B.1

Delete the final sentence and replace by the following text:

“Latchlocks may also be used to connect and lift containers, provided that the load-carrying area of the latchlock meets the requirements of B.5.1.”

Page 16, B.5.1

Insert the following new sentence between the existing first and second sentences:

“If the latchlock is used for lifting, the load-carrying area shall be not less than 800 mm², whether locked at one side or both sides of a corner fitting aperture.”

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ICS 55.180.10

Price based on 1 pages