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Series 1 freight containers — Handling and securing

Conteneurs de la série 1 — Manutention et fixation



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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 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 104, *Freight containers*, SC 1, *General purpose containers*.

This sixth edition cancels and replaces the fifth edition (ISO 3874:1997), which has been technically revised.

The main changes compared to the previous edition are as follows:

- the terminology has been aligned to match those that are used in the CTU Code and the “load distribution” guidance figure has been removed in [Clause 4](#);
- [Clause 9](#) and the associated figures have been updated to reflect the current practice and equipment used;
- [Annex A](#) has been updated to include securing devices in the current common usage including, fully automatic twistlocks, midlocks, multi-purpose twistlocks, and automatic container locks;
- the dimensions for all locks have been reviewed and revised, where appropriate, to reflect current practice;
- the dimensions for locks not previously included have been added;
- the strength requirement for all locks has been reviewed and revised to reflect current practice and maximum vessel sizes;
- the test requirements have been reviewed and revised as above to match ISO 17905 and class requirements;
- the old Annex B has been removed, reflecting lack of common usage;
- Annex C, now [Annex B](#), has been updated, as well as strength and test requirements, to reflect the current practice and equipment used;

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- Annex D, now [Annex C](#), has been updated, as well as strength and test requirements, to reflect the current practice and equipment used;
- [Annex D](#) types and requirements have been added in accordance with ISO 17905;
- [Annex E](#) has been added in accordance with ISO 17905;
- ISO 1161:1984, Annex C, included as [Annex E](#), has been updated to include ISO 1161:1984/Amd. 1:2007 45 ft containers.

It also incorporates the Amendments ISO 3874:1997/Amd. 1:2000, ISO 3874:1997/Amd. 2:2002, ISO 3874:1997/Amd. 3:2005 and ISO 3874:1997/Amd. 4:2007.