



COMMITTEE DRAFT ISO 3676:1983/CD Amd 1	
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ISO/TC 122 / SC
Title Packaging
Secretariat JISC

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English title

Packages - Unit load sizes - Dimensions - AMENDMENT 1

French title

Reference language version: English French Russian

Introductory note

ISO 3676:1983/CD Amd 1 has been prepared by TC 122/AHG 1. The working draft was discussed at ISO/TC 122/AHG 1 meeting held in October 2008. Based on the results of discussion, it was proposed that a revised document should be circulated as a Committee Draft. This proposal was approved in the meeting of TC 122 held in October 2008 (Ref. doc. ISO/TC 122 N 475). In view of the above, this Committee Draft is herewith submitted for your consideration.

ISO/TC 122 N **481**

Date: 2008-12-01

ISO 3676:1983/CD Amd 1

ISO/TC 122/AHG 1

Secretariat: JISC

Packaging — Unit load sizes — Dimensions

AMENDMENT 1

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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.

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.

Amendment 1 to ISO 3676:1983 was prepared by Technical Committee ISO/TC 122, *Packaging*.

The reason why this amendment 1 needed to prepare is as follows.

This Standard defines the plan dimensions of 3 series in terms of the plan dimension of the unit load in order to keep the consistency for the module of the distribution chain and the dimension module for the transport package.

Regarding the dimension of pallets which is the fundamental factor for the unit load, ISO 6780 "General purpose – flat pallets for through transit of goods – principal dimensions and tolerances" was revised prior, entitled, "Flat pallets for intercontinental materials handling – Principal dimensions and tolerances" in 2003. The three kinds of dimensions for rectangular and square pallet are shown in the above referenced document respectively, and it is defined as the plan dimension of the unit load taking up the three kind of fundamental dimensions from the Standard.

Packaging — Unit load sizes — Dimensions

AMENDMENT 1

Page i (cover page), Title

Replace the title with following:

Packaging — Complete, filled transport packages and unit loads — Unit load size — Dimensions

Page 1, Title

Replace the title with following:

Packaging — Complete, filled transport packages and unit loads — Unit load size — Dimensions

Page 1, Scope and field of application

Replace the title with the following:

Scope

Page 1, References

Replace this clause with the following:

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 1894, *General purpose series 1 freight containers – Minimum internal dimensions*

ISO 3394, *Dimensions of rigid rectangular packages – Transport packages*

ISO 3394:1984/Amd 1: —¹⁾

¹⁾ To be published.

Page 1, Definitions

Replace the title with the following:

Terms and definitions

Page 2, Dimensions

Replace the title with the following:

Plan dimensions

Page 2, subclause 4.3

Replace the sentence with the following:

This International Standard also recognizes the plan dimension of 1 100 mm x 1 100 mm for square unit loads.

Delete the "NOTE –" and all sentences.

Page 2, Dimensional deviation

Replace this clause with the following:

5 Dimensional deviations

5.1 The plan dimensions of the modular unit load outlined in 4.1 and the other two unit load's specified in 4.2 and 4.3 are nominal dimensions.

5.2 The permissible maximum dimension as the deviation from the nominal dimension defined in 4.1, 4.2 and 4.3 is to be defined considering the width of the road vehicle, freight container etc.

NOTE It would be based on ISO 1894, EN 284^[1], EN 452^[2], CEN/TS 13853^[3], CEN/TS 14993^[4] to decide the permissible maximum dimension of the unit load (see Annex A).

End of text

Add the following Annex A and Bibliography.

Annex A (informative)

Example of the way to define the maximum unit load dimension

Table A.1 shows how to define the unit load maximum dimension based on Subclause 5.2.

Table A.1 - Example on how to define the maximum unit load dimension

Unit: mm

Area using wide type container and road vehicle (for example: the width of container and/or road vehicle is about 2,55 M) ^a	Area using ISO series 1 freight container and road vehicle whose width is maximum 2,5 M ^b
(It is based on EN 284 ^[1] , EN 452 ^[2] , CEN/TS 13853 ^[3] , CEN/TS 14993 ^[4] .)	(It is based on ISO 1894.)
1 200 × 1 000 1 200 × 800	1 240 × 1 040 ^c 1 140 × 1 140
<p>^a It shows that the area is assumed to use the containers and road vehicles to put the unit load of 1 200 mm inside in parallel.</p> <p>^b The area is assumed to use the ISO series 1 freight containers and road vehicles. The total dimension of the unit loads which were put in 2 lines inside of the series 1 freight container is 2 280 mm (i.e. work allowance is 50 mm) in width in order to fit the minimum inside width of 2 330 mm of ISO series 1 freight container.</p> <p>^c It is assumed that 1 240 mm and 1 040 mm are combined and equal to 2 280 mm and loaded inside of the container and road vehicle. It is necessary to set the maximum dimension of 1 200 mm x 1 000 mm when unit loads are transported to areas using wide type container and road vehicle.</p>	

Bibliography

- [1] EN 284, *Swap bodies - Non-stackable swap bodies of class C - Dimensions and general requirements*
- [2] EN 452, *Swap bodies - Swap bodies of Class A - Dimensions and general requirements*
- [3] CEN/TS 13853, *Swap bodies for combined transport - Stackable swap bodies type C 745-S16 - Dimensions, design requirements and testing*
- [4] CEN/TS 14993, *Swap bodies for combined transport - Stackable swap bodies type A 1371 - Dimensions, design requirements and testing*