

ICS 55.020



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 15233-2025

**Packaging - Unit load dimensions
(English Translation)**

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Table of Contents

Foreword...	3
1 Scope...	5
2 Normative references...	5
3 Terms and definitions...	5
4 Plane dimensions...	6
5 Dimensional deviation...	7

Foreword

This document was drafted in accordance with the provisions of GB/T 1.1-2020

Directives for standardization - Part 1.Rules for the structure and drafting of
standardizing documents.

This document replaces GB/T 15233-2008 Packaging - Unit load size. Compared with
GB/T 15233-2008, in addition to structural adjustments and editorial changes, the main
technical changes are as follows.

- a) The term and definition of "distribution of goods" have been deleted (see 3.1
of the 2008 edition);
- b) The requirements for nominal dimensions have been added (see 5.1);
- c) The maximum deviation requirements have been changed (see 5.2 and
Appendix A; see Table 1 of the 2008 edition).

This document is modified in relation to ISO 3676.2012 Packaging - Complete, filled
transport packages and unit loads - Unit load dimensions.

The technical differences between this document and ISO 3676.2012 and their reasons
are as follows.

- ISO 21067 has been replaced with the normative reference GB/T 4122.1 to adapt
to technical requirements in China (see Chapter 3; see Chapter 3 of ISO
3676.2012);
- The terms and definitions of "distribution of goods", "system", "modular system"

and "module" have been deleted (see 3.1, 3.2, 3.3 and 3.5 of ISO 3676.2012).

These terms are not mentioned in this document or do not appear frequently enough to meet the requirements for them to be used as terms;

-- The unit load dimensions "1200 mmx800 mm" and "1219 mmx1016 mm" have been deleted to be consistent with GB/T 2934 (see 4.2 and 4.4 of ISO 3676.2012);

-- The normative reference GB/T 5338.1 replaces ISO 1496-1, and GB 1589 replaces EN 284, EN 452, CEN/TS 13853 and CEN/TS 14993 (see 5.2; see 5.2 of ISO 3676.2012) to adapt to technical requirements in China;

-- Series 2 container dimensions have been added as the basis for determining the maximum dimensions of unit load (see 5.2) to adapt to technical requirements in China.

Packaging - Unit load dimensions

1 Scope

This document specifies the plan dimensions and dimensional deviations of unit load during the cargo circulation process.

This document applies to unit loads transported by road, rail and water.

2 Normative references

The provisions of the following documents constitute the essential clauses of this document through normative references in this text. Among them, for any dated reference, only the version corresponding to that date applies to this document; for any undated reference, the latest version (including all amendments) applies to this document.

GB 1589 Limits of dimensions, axle load and masses for motor vehicles, trailers and combination vehicles

GB/T 4122.1 Packaging terms - Part 1.Basic

GB/T 5338.1 Series 1 freight containers - Specification and testing - Part 1.General cargo containers for general purposes (GB/T 5338.1-2023, ISO 1496-1.2013, IDT)

GB/T 35201 Series 2 freight containers - Classification, dimensions and ratings

3 Terms and definitions

The terms and definitions defined in GB/T 4122.1 and the following apply to this document.

3.1 unit load

In order to facilitate loading and unloading, transportation, stacking and storage, a group of goods or packages is assembled together in one or more ways to form an integral unit.

NOTE: A single large cargo is also considered a unit load.

3.2 plan dimensions

The dimensions of a rectangle formed by four mutually and perpendicularly intersecting vertical planes on a horizontal plane, and the four vertical planes can enclose the unit load.

4.1 Dimensions. 1200 mmx1000 mm

The preferred unit load plane dimensions shall be 1200 mmx1000 mm.

NOTE: The unit load dimensions are derived from the basic modular dimensions of 600 mmx400 mm,

and it is one of the components of the circulation system.

4.2 Dimensions. 1100 mmx1100 mm

The plane dimensions of the unit load can be 1100 mmx1100 mm.

5.1 Nominal dimensions

The plane dimensions of a unit load described in 4.1 and 4.2 are nominal dimensions.

5.2 Maximum dimensions

The maximum dimensions of a unit load shall be determined based on the container widths specified in GB/T 5338.1 and GB/T 35201, and the widths of trucks and trailers specified in GB 1589. Appendix A provides examples for determining the maximum

dimensions of a unit load.

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