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

GB/T 5338.5-2023

Replacing GB/T 16564-1996

**Series 1 freight containers - Specification and testing - Part 5:
Platform and platform-based containers**

系列1集装箱 技术要求和试验方法 第5部分：平台和台架式集装箱

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting:

This document is Part 5 of GB/T 5338 "Technical Requirements and Test Methods for Series 1 Containers": GB/T 5338 has been released the following sections are included:

- Part 1: General containers;
- Part 2: Insulated containers;
- Part 4: Unpressurized dry bulk containers;
- Part 5: Platform and rack containers:

This document replaces GB/T 16564-1996 "Series 1: Technical requirements and test methods for platform and bench-type containers" and is consistent with Compared with GB/T 16564-1996, in addition to structural adjustments and editorial changes, the main technical changes are as follows:

- a) Changed the scope description of the file (see Chapter 1, Chapter 1 of the:1996 edition);
- b) The terms and definitions of "complete solid end structure" and "complete folded end structure" are deleted (see 3.4 and 3.5 of the:1996 edition);
- c) The height limits of platform and rack-type containers and coupling units have been changed (see 4.1:3 and 7:3:2, 4:1:3 and:1996 edition):
7:3:2);
- d) Changed the requirements for the strength of the container load transfer area (see 5.4:2:1, 5:4:2:1 of the:1996 edition, Appendix B);
- e) Added technical requirements for empty box fork grooves (see 5.9:3);
- f) The requirements and methods of the snatch test are deleted (see 6.12 of the:1996 edition);
- g) Deleted the specific requirements for the load transfer area of the container bottom structure, the size requirements for the grab trough lifting area and the gooseneck trough size requirements (See 5.9:2, Appendix B, Appendix D, and Appendix E of the:1996 edition):

This document is equivalent to ISO 1496-5:2018 "Series 1 Container Technical Requirements and Test Methods Part 5: Platforms and Benches Container:

This document has made the following minimal editorial changes:

- a) Check for errors in the chapter numbers cited in ISO 1496-5:2018, 5:1:4, 6:1:1, 7:1:3, Note 3, C:2:6, and C:2:7 in Appendix A:
corrected;
- b) Corrected the error in the fork lift test diagram in Table A:1 in ISO 1496-5:2018;
- c) The order of the side views of Figure A:5 and Figure A:6 of the longitudinal bolting of the bottom structure in Table A:1 of ISO 1496-5:2018 has been adjusted:
Adjust so that the direction is consistent with the longitudinal bolting force in Figure A:5 and Figure A:6 respectively;
- d) The error in the direction of the arrow in the view of Figure A:18 in Table A:1 of ISO 1496-5:2018 has been corrected;
- e) To facilitate understanding and use, the index number description of Figure B:1 in Appendix B has been added;
- f) Added footnotes describing the latest versions of ISO 6346 and ISO 668:

Please note that some content in this document may be subject to patents: The publisher of this document assumes no responsibility for identifying patents:

Introduction

Series 1 containers are international standard containers that are circulated around the world: The standardization and standardization of their design, production, and inspection are crucial:

important: In order to standardize and promote the development of Series 1 container transportation, ISO has formulated ISO 1496 "Technical Requirements and Tests for Series 1 Containers":

"Test Methods" series of standards, my country has carried out corresponding international standard transformation work to provide technical support for the development of my country's container industry:

GB/T 5338 "Technical Requirements and Test Methods for Series 1 Containers" is intended to guide and standardize the design, production and production of Series 1 containers:

Production, inspection and transportation, consisting of five parts:

---Part 1: General containers: The purpose is to specify the technical requirements and test methods for Series 1 general cargo containers:

---Part 2: Insulated containers: The purpose is to specify the technical requirements and test methods for Series 1 insulated containers:

---Part 3: Liquid, gas and pressurized dry bulk tank containers: The purpose is to specify Series 1 liquids, gases and pressurized dry powders Technical requirements and test methods for cargo tank containers:

---Part 4: Unpressurized dry bulk containers: The purpose is to specify the technical requirements and tests for Series 1 unpressurized dry bulk containers method:

---Part 5: Platform and rack containers: The purpose is to specify the technical requirements and testing of Series 1 platform and rack-mounted containers:

test method:

1 Series, container technical requirements and test methods

Part 5: Platform and rack-mounted containers

1 Scope

This document specifies the series 1 containers defined by ISO 668---1AAA, 1AA, 1A, 1AX, 1BBB, 1BB, 1B, 1BX, Types 1CC, 1C and 1CX are suitable for platform and platform containers for road, railway, waterway transportation, as well as intermodal transportation between these modes of transportation:

Classification, marking, dimensions and rated quality, design requirements and test methods: Under certain circumstances, containers cannot be stacked or cannot be Lift from the top with a special frame-type spreader:

Table 1 gives the container types covered by this document:

Table 1 Applicable container types (according to ISO 6346:2022) Table E:1)

1) ISO 6346:1995 has been abolished and replaced by the new version ISO 6346:2022: This document quotes the contents of ISO 6346:2022 and ISO 6346:1995:

There is no technical difference in what is quoted:

Code Box Group Code Main Features Box Code P platform container PL platform container P0 Rack type container

---The upper structure is incomplete P Fixed PF Complete, fixed ends P1 P Independent fixed corner post, or fixed corner post with removable top beam P2 P Foldable PC Foldable complete end structure P3 P Independent folding corner post, or folding corner post with removable top beam P4 Rack type container

---The upper structure is complete PS Open top and ends (skeleton type) P5 Named according to goods Rack type container PT P6 carrying equipment on board P P7 for carrying cars P P8 for carrying wood and pipes P P9 carrying rolled goods

2 Normative reference documents

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