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

GB/T 18927-2025

Replacing GB/T 18927-2002

Packaging container - Metal accessory

包装容器 金属辅件

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting is required. This document replaces GB/T 18927-2002 "Metal Accessories for Packaging Containers". Compared with GB/T 18927-2002, in addition to the structural adjustment Besides the editorial changes, the main technical changes are as follows: -- Changed the terms and definitions of metal accessories (see 3.1,.2002 edition 3.1); --Changed the technical requirements for lifting guardrails (see 5.1,.2002 edition 5.1); --Changed the requirements for ventilation windows (see 5.4,.2002 edition 5.4); --Added technical requirements for "hinge" (see 5.5); --Added technical requirements for "snap-on" (see 5.6); -- Deleted Chapter

1 Scope

GB/T 18927-2025 is the Chinese national standard on packaging container - metal accessory, in the field of packaging and distribution of goods. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 1 August 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 February 2026. Classification: ICS 55.160, CCS A82. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the requirements for metal accessories for transport packaging containers. This document applies to metal accessories such as lifting guard irons, corner irons, edge irons, ventilation windows, hinges and clips.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 699 High-quality carbon structural steel

GB/T 700 Carbon Structural Steel

GB/T 709 Dimensions, shapes, weights and tolerances of hot-rolled steel plates and strips

GB/T 1800.2-2020 Geometrical Product Specifications (GPS) - ISO code system for linear dimension tolerances - Part

3 Terms and Definitions

The terms and definitions defined in GB/T 4122.4 and the following apply to this document.

3.1 Metal accessories Metal parts used in transport packaging containers for structural reinforcement and/or auxiliary functions.

4 General requirements

4.1 Unless otherwise specified, various metal accessories should be made of hot-rolled steel plates specified in GB/T 709 or ordinary carbon steel specified in GB/T 700. And high-quality carbon structural steel specified in GB/T 699.

4.2 Dimensional tolerances shall comply with the IT14 tolerance grade requirements specified in GB/T 1800.2-2020.

4.3 Metal accessories should be treated to prevent rust.

4.4 The surface of metal accessories should be smooth and free of burrs.

4.5 The structural type and size requirements of metal accessories can be changed appropriately according to the conditions of the packaging container, but the size requirements should not be less than those in this document. Regulation.

6 Inspection Rules and Chapter

7 Marking and Storage (6 and 7 of the.2002 edition). Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document is proposed and coordinated by the National Technical Committee for Standardization of Packaging

(SAC/TC 49). This document was drafted by: Beijing Institute of Automation of the Mechanical Industry Co., Ltd., Wuhu Hongfang Packaging Technology Co., Ltd., Taiyuan Heavy Industry Co., Ltd. Engineering Co., Ltd., China Packaging Research and Testing Center, Fujian Xianchen Zhixiang Technology Co., Ltd., Hebei Jinhoudun Plastic Co., Ltd., China Packaging Research Institute Co., Ltd., China Machinery Science and Technology (Beijing) Vehicle Inspection Engineering Research Institute Co., Ltd., Qingdao Junsheng Mingshi Logistics Packaging Standard Chemical Technology Research Institute Co., Ltd., Inner Mongolia Electric Power (Group) Co., Ltd. Digital Research Company. The main drafters of this document are. Wang Yuxin, Fang Honglin, Dong Xintao, Wang Haiyan, Lin Chunmin, Mou Jinxin, Guo Siyuan, Yang Qianjin, Wang Ningwei, Wang Guixin, Xu Jinjin, and Erdun. The previous versions of this document and the documents it replaces are as follows: --First published in.2002 as GB/T 18927-2002; --This is the first revision. Packaging container metal accessories