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

GB 23525-2025

Replacing GB 23525-2009

**Technical specification for safety of personal board-type sling
equipment for suspending work**

座板式单人吊具悬吊作业安全技术规范

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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 replaces GB 23525-2009 "Safety Technical Specification for Suspension Operations Using Seat-Type Single-Person Lifting Gear". Compared with GB 23525-2009, Apart from structural adjustments and editorial changes, the main technical changes are as follows:

---The scope of application of the standard has been changed (see Chapter 1, Chapter 1 of the.2009 edition);

---Definitions for connectors, flexible guides, self-locking devices, and fall-suspension harnesses have been revised (see Chapter 3, Chapter 3 of the.2009 edition);

---The requirements for the hanging point device have been changed, and it has been added that the strength of the hanging point device and its fastening points used for flexible guide rails must meet the requirements for product manufacturing. Requirements for the author (see 4.1.2, 4.1.3, 4.1.4, and.2009 editions

4.1.2 and 4.1.3);

---Added technical requirements and test methods for the corrosion resistance of metal fittings (see 5.1.2);

---Increase the thickness requirement for the metal base plate material (see 5.3.1);

---The requirements for fall protection equipment have been revised (see Chapters 5, 6, and sections 5.4, 5.5, 5.6.4, 6.4, and

6.5 of the.2009 edition);

---Added identification and producer-provided information (see Chapters 7 and 8);

--- Safety management and training requirements have been changed (see Chapters 9 and 10, and Chapters 7 and 8 of the 2009 edition). Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the Ministry of Emergency Management of the People's Republic of China. The release history of this document and the document it replaces is as follows:

---First published in 2009 as GB 23525-2009;

---This is the first revision. Safety Technical Specifications for Suspension Operations of Single-Person Lifting Equipment with Seat Platform

1 Scope

GB 23525-2025 is the Chinese national standard on technical specification for safety of personal board-type sling equipment for suspending work, in the field of environment and health protection, safety. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 31 December 2025 by the State Administration for Market Regulation; Standardization Administration of China, and takes effect on 1 January 2027. Classification: ICS 13.100, CCS C65. 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 establishes the general requirements for seated single-person lifting slings, and specifies the technical requirements, markings, and manufacturer-provided specifications for seated single-person lifting slings. The information and safety management and training requirements for suspended operations are described, along with the testing methods. This document applies to single-person lifting equipment with a seat plate and to the cleaning and painting of the interior and exterior of buildings and structures using such equipment. Suspended operations such as inspection, maintenance, and installation. This document does not apply to building construction and installation operations or operations involving suspension using small cranes.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB 2811 Head Protection Safety Helmet

GB 3608 Classification of Operations at Height

GB 6095 Fall Protection Safety Belt

GB/T 6096 Test Methods for Performance of Fall Protection Safety Belt Systems

GB/T 10125 Corrosion test under artificial atmosphere - Salt spray test

GB 23469 Fall Protection Connectors

GB 24537 Self-locking device for flexible guide rails of fall protection belts

GB 24543 Fall Protection Safety Rope

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Personalboard-type sling equipment A non-powered manned work tool with fall protection function that moves from top to bottom along the facade of a building or structure.

Note. It consists of an attachment point device, a suspension and descent system, and a fall protection system.

3.2 anchor device A device for fixing working ropes or flexible guide rails.

Note. There are various forms, including roof fixing frames, fixing (roof, ground) bolt points, anchor points, and counterweights.

3.3 Suspension Decline System A working system that uses a manual descender to lower or fix the seat plate at any height along the working rope for operation.

Note. It consists of a working rope, descender, connector, and seat plate assembly.