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

GB/T 45264-2025

Boarding wheelchair

登机轮椅车

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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. 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 issued by the Ministry of Civil Affairs of the People's Republic of China. This document is under the jurisdiction of the National Technical Committee for Standardization of Rehabilitation and Special Equipment for Persons with Disabilities (SAC/TC148). This document was drafted by: National Rehabilitation Assistive Devices Research Center, Jiangsu Yuyue Medical Equipment Co., Ltd., Civil Aviation Administration of China Second Research Institute, Foshan Quality and Standardization Research Institute, Anhui Sanlian Robotics Technology Co., Ltd., Xiamen University of Technology, Hefei Kangjuren Medical Instrument Technology Co., Ltd. The main drafters of this document are: Shan Xinying, Yu Xiongfeng, Zhang Ran, Shao Lirong, Li Biliu, Fang Zhidong, Chen Jianping, Zhang Ping, Yin Huayi, Gao Junbo, Jin Huiqing and Guo Bensheng. Wheelchairs for boarding

1 Scope

GB/T 45264-2025 is the Chinese standard for boarding wheelchairs, the narrow aisle chairs in which a passenger who cannot walk is carried onto an aircraft and down the cabin. It is a product defined by a constraint no ordinary wheelchair faces: it must pass along an aisle of

a few tens of centimetres, negotiate the airbridge or steps, and hold and protect a person who cannot support themselves while being manoeuvred by staff. The standard sets the classification and basic parameters, then the requirements: the overall dimensions that guarantee aisle compatibility, the structural strength and stability including the tipping and loading cases, the restraint system for the occupant, the brakes and the wheels, the handles and the forces required of the operators, the folding and stowage, the materials and their flammability, the surface and edge safety, and the durability. It then gives the test methods, the inspection rules and the marking, instructions, packaging, transport and storage. It takes effect on 1 June 2025.

This document defines the terms and definitions of boarding wheelchairs, and specifies the model nomenclature, requirements, inspection rules, product descriptions of boarding wheelchairs. Books, documents, labels and packaging, inspection reports, describing the corresponding test methods. This document is suitable for people with limited mobility whose weight does not exceed 125kg and is used for transfer during boarding or disembarking at the airport. Wheelchair for transportation.

2 Normative references

The contents of the following documents constitute 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 18029.1-2024 Wheelchairs Part

3 Terms and definitions

The terms and definitions defined in GB/T 18029.1, GB /Z 18029.3, GB/T 18029.8 and GB/T 18029.26 and the following terms and definitions apply in this document.

3.1 For passengers with limited mobility in the airport, a wheelchair is provided to transfer from the airport to the aircraft seat, or from the aircraft seat to the airport after leaving the aircraft. Chair car.

3.2 Constraint systemconstraint system Seat (back) cushions, headrests, and restraint devices used to limit body movement and ensure the safety of passengers.

3.3 Carrying handlehandlinghandle When transporting passengers, a hand-held auxiliary device is used by service personnel to move passengers and lift and place wheelchairs for boarding.

5 Determination of dimensions, mass and operating space

GB/T 18029.8-2024 Wheelchairs Part

8.Requirements and test methods for static strength, impact strength and fatigue strength

GB /Z 18029.11-2021 Wheelchairs Part

11 Test dummies

GB/T 18029.15-2008 Wheelchairs Part

15.Requirements for information release, document issuance and labeling GB /Z

18029.16-2021 Wheelchairs Part

16 Flame retardancy of body positioning devices

GB/T 18029.26-2014 Wheelchairs Part

GB 18401-2010 National basic safety technical specification for textile products