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

GB/T 44701-2024

Wheelchairs for table tennis game

轮椅乒乓球竞技比赛轮椅车

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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: Shanghai Hubang Intelligent Rehabilitation Equipment Co., Ltd., Changshu Pingfang Wheelchair Co., Ltd., China Disabled Persons' Assistance Co., Ltd. Assistive Devices Center, Changzhou Zhongjin Medical Equipment Co., Ltd., Shanghai Rehabilitation Equipment Association, and Guangdong Medical Device Quality Supervision and Inspection Institute. The main drafters of this document are: Zhao Cishun, Zhu Jian, Li Dongmei, Wang Shijun, Yang Yan, Su Ning, and Cao Ningning. Wheelchair table tennis competition wheelchair

1 Scope

GB/T 44701-2024 is the Chinese standard for competition wheelchairs used in wheelchair table tennis. A sports wheelchair is a piece of competition equipment rather than a mobility aid, and this one is unusual within that family: it does not need to move quickly, but it must give the player a stable base from which to reach far across the table without tipping, while

staying within the dimensional limits the sport's rules impose so that no player gains an unfair advantage. The standard sets the classification and the main dimensions and their limits, then the requirements: the frame strength and the static and dynamic stability, the seat, backrest and cushion, the footrest and the strapping, the wheels, castors and their attachment, the adjustability, the materials and the surface finish, the mass, and the safety of edges and moving parts. It then gives the test methods, the inspection rules and the marking, instructions, packaging, transport and storage. It takes effect on 1 February 2025.

This document defines the terms and definitions of wheelchairs used in wheelchair table tennis competitions and provides the classification of wheelchairs used in wheelchair table tennis competitions. It specifies the technical requirements and inspection rules for wheelchairs used in wheelchair table tennis competitions and describes the corresponding test methods. This document applies to products with a mass not exceeding 100kg and a functional classification of TT1 to TT5 according to GB/T 15493-2009. Table tennis players use wheelchairs to participate in wheelchair table tennis competitions.

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 191 Pictorial symbols for packaging, storage and transportation GB /Z 13800-2021 Manual wheelchairs

GB/T 15493-2009 Functional classification for disabled shooting and table tennis athletes

GB/T 18029.1-2024 Wheelchairs Part

3 Terms and Definitions

The terms and definitions defined in GB/T 18029.7-2009, GB/T 18029.26-2014 and the following terms and definitions apply to this document.

3.1 Suitable for people with cerebral palsy, spinal cord injury, trunk balance dysfunction and limb dysfunction to participate in disabled table tennis competitions Wheelchair.

4 Categories

According to the athlete's functional limitations in Chapter 4 of GB/T 15493-2009 and the technical requirements of table tennis competitions, table tennis is divided into Type I Competition wheelchairs (suitable for TT1 and TT2), Type II table tennis competition wheelchairs (suitable for TT3) and Type III table tennis competition wheelchairs (Suitable for

TT4 and TT5 levels).

5.1 Design

5.1.1 Wheelchairs used in wheelchair table tennis competitions should be designed to suit the athlete's body shape and athletic skills and meet the following requirements.

7 Measurement of seat and wheel dimensions

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/T 18029.26-2014 Wheelchairs Part