

ICS 11.180.10
CCS Y 14



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

GB/T 18029.22-2024

Replacing GB/T 18029.22-2009

**Wheelchairs - Part 22: Set-up procedures
(English Translation)**

Issued on: June 29, 2024

Implemented on: October 1, 2024

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

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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 is part 22 of GB/T (Z) 18029 "Wheelchairs". GB/T (Z) 18029 has published the following parts.

Part 1: Determination of static stability; -Part 2: Determination of dynamic stability of electric wheelchairs;

Part 3: Determination of braking performance; -Part 4: Determination of theoretical energy consumption of electric wheelchairs and electric scooters;

Part 5: Determination of dimensions, mass and operating space; -Part 6: Determination of the maximum speed of electric wheelchairs;

Part 7: Measurement of seat and wheel dimensions; -Part 8: Requirements and test methods for static strength, impact strength and fatigue strength;

Part 9: Climatic test methods for electric wheelchairs;

Part 10: Determination of the obstacle surmounting capability of electric wheelchairs;

Part 11: Test dummies;-Part 13: Determination of coefficient of friction of test surfaces; -Part 14: Requirements and test methods for power and control systems for electric wheelchairs and electric scooters;

Part 15: Requirements for information release, document production and marking;

Part 16: Flame retardancy of body positioning devices;

Part 19: Wheeled mobility devices capable of serving as seats in motor vehicles;

Part 21: Electromagnetic compatibility requirements and test methods for electric wheelchairs, electric scooters and battery chargers;

Part 22: Regulatory procedures;-Part 25: Batteries and chargers for electric wheelchairs;

-Part 26: Terminology;-Part 28: Requirements and test methods for stair climbing appliances;

Part 30: Test methods and requirements for wheelchairs that change the position of the occupant. -this document replaces GB/T 18029.22-2009 "Wheelchairs Part 22: Adjustment Procedures". Compared with GB/T 18029.22-2009, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

Added adjustment requirements and adjustment details for wheelchairs with hand rings and wheelchairs without hand rings (see 6.2.2, 6.2.3); -Added the selection and positioning of test dummies (see 8.2). -this document is equivalent to ISO 7176-22:2014 "Wheelchairs Part 22: Adjustment procedures".

The following editorial changes were made to this document.

-Delete the last sentence of the note in Table A.1 of Appendix A.

Introduction

GB/T (Z) 18029 Wheelchairs is a standard for ensuring the performance and quality of wheelchairs and accurately providing these performance and quality to relevant parties.

Wheelchair users want to know the performance and quality of the product, manufacturers want to know how the product can achieve good quality, and testing machines Because GB/T (Z) 18029 is too long and the parties using the document generally only need to know how to inspect the product.

Some of the content in the book will not be updated synchronously, so it is compiled in parts and is planned to consist of 24 parts.

Part 1: Determination of static stability; -Part 2: Determination of dynamic stability of electric wheelchairs;

Part 3: Determination of braking performance; -Part 4: Determination of theoretical energy consumption of electric wheelchairs and electric scooters;

Part 5: Determination of dimensions, mass and operating space; -Part 6: Determination of the maximum speed of electric wheelchairs;

Part 7: Measurement of seat and wheel dimensions; -Part 8: Requirements and test methods for static strength, impact strength and fatigue strength;

Part 9: Climatic test methods for electric wheelchairs;

Part 10: Determination of the obstacle surmounting capability of electric wheelchairs;

Part 11: Test dummies;-Part 13: Determination of coefficient of friction of test surfaces; -Part 14: Requirements and test methods for power and control systems for electric wheelchairs and electric scooters;

Part 15: Requirements for information release, document production and marking;

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Part 19: Wheeled mobility devices capable of serving as seats in motor vehicles;

Part 21: Electromagnetic compatibility requirements and test methods for electric wheelchairs, electric scooters and battery chargers;

Part 22: Regulatory procedures;-Part 25: Batteries and chargers for electric wheelchairs; -Part 26: Terminology;-Part 28: Requirements and test methods for stair climbing appliances;

Part 30: Test methods and requirements for wheelchairs that change the occupant's position;

Part 31: Requirements and test methods for lithium-ion battery systems and chargers for electric wheelchairs Part 32: Test method for durability of castor assemblies for wheelchairs.

-Many wheelchairs have adjustable features or optional accessories that require settings.

It greatly affects the test results of wheelchairs obtained using different test standards and test methods.

When adjusting wheelchairs according to this document and testing wheelchairs in combination with other wheelchair standards, the performance of different wheelchairs can be compared.

As a result, test results from different testing agencies can also be compared.

If the wheelchair has a specific configuration, some aspects of this document may not apply.

Wheelchair

Part 22: Regulation Procedure

1 Scope

This document establishes the adjustment procedure for the preparation of adjustable wheelchair tests. This document also takes into account the requirements of the manufacturer's instructions.

This document applies to manual wheelchairs and electric wheelchairs (including electric scooters) for indoor and/or outdoor use.

Note: Other parts of GB/T 18029 may have special provisions for adjusting wheelchairs. If so, the special provisions of these documents take precedence over this document.

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.

in this document.

ISO 7176-5 Wheelchairs-Part 5: Determination of dimensions, mass and manoeuvring space) Note. GB/Z 18029.5-2021 Wheelchairs Part 5: Determination of dimensions, mass and operating space (ISO 7176-5:2008, IDT) ISO 7176-11 Wheelchairs-Part 11: Test dummies Note. GB/Z 18029.11-2021 Wheelchairs Part 11: Test dummies (ISO 7176-11:2012, IDT) ISO 7176-26 Wheelchairs-Part 26: Vocabulary Note. GB/T 18029.26-2014 Wheelchairs Part 26: Terminology (ISO 7176-26:2007, IDT)

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 7176-26 apply.

4.1 Test dummy

It should comply with the requirements of ISO 7176-11.

4.2 Tools for measuring linear dimensions

The measuring range is 0 mm to 2 000 mm, with an accuracy of ± 1 mm.

4.3 Tools for measuring angles

It can measure the angles between component planes and (or) the angles between the component surface and the horizontal or vertical plane with an accuracy of $\pm 0.2^\circ$.