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

GB/Z 41082.1-2021

**Wheelchairs - Part 1: Guidelines for the application of the GB/T
18029 series on wheelchairs**

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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 of Standardization Documents"

drafted.

This document is Part 1 of GB /Z 41082 "Wheelchair Vehicles". GB /Z 41082 has published the following parts.

--- Part 1. Guidelines for the application of GB/T 18029 series on wheelchairs.

This document is revised and adopted ISO /T R13570-1.2005 "Wheelchairs - Part 1. ISO 7176 series of guidelines for the application of wheelchairs"

South".

Compared with ISO /T R13570.2005, this document has more structural adjustments.

Comparison of structure number changes between two files

See Appendix A for a list.

Compared with ISO /T R13570.2005, this document has many technical differences. In the outer margins of the clauses involved, vertical

A straight single line (|) is marked. See Appendix B for a list of these technical differences and their reasons.

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

Introduction

GB /Z 41082 aims to promote the popularization, publicity and correct use of GB/T 18029 series wheelchair standards in the industry.

Components.

--- Part 1.Guidelines for the application of GB/T 18029 series on wheelchairs;

--- Part 2.Typical values and recommended limit values for size, mass and steering space measured according to GB/T 18029.5.

Wheelchair Part 1.

Application guide of GB/T 18029 series on wheelchairs

1 Scope

This document shows how to select the wheelchair vehicle required by the user according to the national standards for wheelchair vehicles. This document gives standardized tests and information

Information release, comprehensive consideration of wheelchair selection, occupant physical characteristics, manual wheelchairs, and guides for electric wheelchairs can help users understand

Purpose and content of national standards for wheelchairs.

The content of this document consists of the following six chapters.

a) How to use this technical report.

b) Standardized testing methods and information release. Provides background for standardized testing information for wheelchairs. Explains how wheelchairs are tested

Try how the information should be distributed.

c) Comprehensive Considerations. Describes comprehensive considerations regarding the selection of manual or electric wheelchairs.

d) Physical characteristics of the occupant. a manual wheelchair or an electric wheelchair that is suitable for the physical characteristics of the occupant.

e) Manual wheelchair. Describes the test method for manual wheelchairs.

f) Electric wheelchairs. describes the test methods for electric wheelchairs, focusing on three- and four-wheeled electric scooters and standard electric wheels

Chair car.

The test methods in the manual and power wheelchair chapters are based on the following three aspects.

---performance;

---safety;

---size.

For each test, this document contains the following.

- The reason why the user needs this test result;
- Briefly describe the method of standardized testing;
- How the manufacturer should publish the test results in the product technical file;
- How to interpret these test results from the user's point of view.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations

documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB/T 18029-2000 Requirements and test methods for the flame retardancy of wheelchair seat (cushion) cushions (ISO 7176-16.1997, IDT)

GB/T 18029.1-2008 Wheelchair Part 1.Determination of Static Stability (ISO 7176-1.1999, IDT)

GB/T 18029.2-2009 Wheelchairs Part 2.Determination of Dynamic Stability of Electric Wheelchairs (ISO 7176-2.2001, IDT)

GB/T 18029.3-2008 Wheelchairs - Part 3.Determination of brakes (ISO 7176-3.2003, IDT)

GB/T 18029.4-2009 Wheelchairs Part 4.Determination of theoretical energy consumption of electric wheelchairs and electric scooters (ISO 7176-4.1997, IDT)

GB/T 18029.5-2008 Wheelchairs - Part 5.Determination of overall dimensions, mass and turning space (ISO 7176-5.1986,