

ICS 11.180
CCS Y 14



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

GB/T 18029.3-2008

**Wheelchairs -- Part 3: Determination of effectiveness of brakes
(English Translation)**

Issued on: December 31, 2008

Implemented on: September 1, 2009

Issued by: Standardization Administration of China

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Foreword

GB/T 18029 "wheelchair" consists of the following components.

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- Part 3. Determination of brakes Determination of energy consumption. --- Part 4
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- Part 21. Electromagnetic compatibility requirements and test methods

- Part 22. Adjusting program
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- Part 24. Requirements and test methods occupant operated stair climbing device
- Part 25. Battery and charger requirements and test methods
- Part 26. Terminology this part identical with ISO 7176-3:2003 "Wheelchairs - Part 3. Determination of the brake" (in English).

Appendix A of this section and Appendix B is an informative annex.

This section proposed by the People's Republic of China Ministry of Civil Affairs.

This part of the National Rehabilitation and special equipment Standardization Technical Committee on Persons with Disabilities (SAC/TC148) centralized.

This part mainly drafted by. National Rehabilitation Aids Research Center, Shanghai Hubang Medical Devices Co., Ltd. Foshan Dongfang Medical Equipment Co., Ltd., Shanghai wheelchair depot.

1 Scope

GB/T 18029 in the provisions of this part of the manual wheelchair and one person, the maximum speed does not exceed 15km/h of electric wheelchairs (Including electric scooter) Test Method brake. This section also provides information on the manufacturer's published requirements.

2 Normative references

The following documents contain provisions which, through reference GB/T 18029 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, we are encouraged to reach agreement under this section all parties that proposed to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 14729 Wheelchairs term (GB/T 14729-2000, eqv ISO 6440:2000) GB/T 18029.11 Wheelchairs - Part 11. Test dummies (GB/T 18029.11-2008, ISO 7176-11:1992, IDT) GB/T 18029.13 Wheelchairs - Part 13. Determination of the test surface coefficient of friction (GB/T 18029.13-2008, ISO 7176-13. 1989, IDT) GB/T 18029.15 Wheelchairs - Part 15. information dissemination, requirements documents and issued identity (GB/T 18029.15-2008, ISO 7176-15:1996, IDT) Determination of electric wheelchairs maximum speed, acceleration and deceleration. ISO 7176-6 Wheelchairs - Part 6 ISO 7176-22 Wheelchairs - Part 22. Adjusting program

3 Terms and Definitions

GB/T 14729 and established the following terms and definitions apply to this section.

The traveling of the wheelchair stop or slow down the speed of the device.

User control means for electric wheelchairs speed and direction.

So that wheelchair holding means stationary state.

When the wheelchair ramp by testing its upper surface pressure of the wheels on the ramps zero motion, or when the wheelchair at the level of the test surface when the pressure on the surface of the driven wheel is zero movement.

In the braked wheel is not rotating state, moving wheelchair on the test plane.

Principle 4

A series of wheelchair brake operation, measure and observe its sensitivity.

GB/T 18029.3-2008/ISO 7176-3:2003