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

GB/T 18029.5-2008

**Wheelchairs -- Part 5: Determination of overall dimension, mass
and turning space
(English Translation)**

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Foreword

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

- Part 1. Determination of static stability Determination of dynamic stability of electric wheelchairs. --- Part 2
- Part 3. Determination of brakes Determination of energy consumption. --- Part 4
- Part 5. Determination of dimensions, mass and turning space Determination of electric wheelchairs maximum speed, acceleration and deceleration. --- Part 6
- Part 7. seat and wheel size measurement method
- Part 8. static strength, impact strength and fatigue strength requirements and test methods
- Part 9. climatic test methods of electric wheelchairs Determination of electric wheelchair obstacle Ability. --- Part 10
- Part 11. Test dummies
- Part 13. Determination of the coefficient of friction of the test surface
- Part 14. electric wheelchairs and power control systems - Requirements and test methods
- Part 15. information dissemination, and labeling requirements documents issued
- Part 16. Block (by) pad flame retardancy requirements and test methods
- Part 17. electric wheelchair controller interface
- Part 18. The downstairs unit
- Part 19. Wheeled mobile device for a motor vehicle

- Part 20. Determination of standing wheelchairs Performance
- Part 21. Electromagnetic compatibility requirements and test methods
- Part 22. Adjusting program
- Part 23. Requirements and test methods for stair climbing device caregiver operation
- 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 7176-5. 1986 "Wheelchairs - Part 5. Dimensions, mass and turning space measuring" (In English).

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 section drafted by. National Rehabilitation Aids Research Center, Shanghai Hubang Medical Devices Co., Ltd. Foshan Dongfang Medical Equipment Factory have Limited, Shanghai wheelchair depot.

1 Scope

This section GB/T 18029 specifies the wheelchairs (manual and electric) Dimensions (use state and folded state), the quality and minimum transfer Test methods to space.

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. 1985) ISO 7193 wheelchairs Maximum dimensions

3 Terms and Definitions

Terms and definitions GB/T 14729 established applicable to this section.

4 Test Wheelchairs

4.1

wheelchair provision shall be factory installed all attachments (such as cushion, backrest extension portion), so that wheelchair in front of the quasi-ride Standby status, but you do not need to take the measurement.

4.2

Special-purpose wheelchair use its provisions shall be measured.

4.3

If the wheelchair front and rear wheel base is variable, the maximum and minimum dimensions shall be measured.

5 Dimensions

Size 5.1 wheelchair use state

5.1.1

The total length (including leg bracket and footrest) Adjust the leg bracket and footrest, so the lowest point of the footrest from the ground 50mm, the angle between the leg bracket and seat plane as close as possible 90 °. Adjust the casters to move the state forward, the backrest in a vertical position.

Leveling wheelchair forefront and the distance between the rearmost end.

5.1.2

The total length (not including leg bracket and footrest) Adjust the casters to move the state forward, the backrest in a vertical position.

Leveling wheelchair forefront and the distance between the rearmost end.

5.1.3 Total width

Adjust the caster to move the state forward.

The wheelchair opened to seat all spread out, and then measuring the maximum transverse width of the wheelchair.

5.1.4 The total height of the backrest in vertical position Back in the upright or vertical position as possible.

GB/T 18029.5-2008/ISO 7176-5. 1986