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

GB/T 29555-2013

Test method of operating forces for doors

门的启闭力试验方法

(English Translation)

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard uses redrafted law revision using ISO 9379:2005 "Test methods force the door open and close." this standard and ISO 9379:2005 as compared to the technical differences and their causes. on normative references, with this standard GB/T 5823-2008 instead of prEN12519.1996, in order to adapt to China's technical conditions.

This standard and ISO 9379:2005 as compared to the structure has been adjusted, specific adjustments are as follows.

--- ISO 9379:2005 Mount paragraph in Chapter 5 of this standard adjustment 5.1, 5.1 and 5.2 of the original is adjusted to 5.2 and 5.3;

--- ISO 9379:2005 Mount paragraph in Chapter 8 of the cancellation, the content is adjusted to 8.1 and 8.2 of this standard.

The standard proposed by the Ministry of Housing and Urban-Rural Development of the People's Republic of China.

This standard by the national building curtain wall windows and doors Standardization Technical Committee (SAC/TC448) centralized.

1 Scope

This standard specifies the opening and closing, or handle with a key lock and open the Hardware-Test Method for measuring the force required door.

Casement and sliding This standard applies to manual operation of the locking device with the opening in the form of pedestrian doors.

This standard does not apply to equipped with automatic shut-off device measuring the

closing force of the door, does not apply to special hardware is equipped with accessories such as emergency opening Door open device.

Note: Some hoisting force window with locking device also Keyijuben standards for testing.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 5823-2008 term building windows and doors

3 Terms and Definitions

Terms and definitions of the door as well as the following terms and definitions GB/T 5823-2008 defined apply to this document.

Junction attachmentpoint Only use a door handle, a connection point to take in a spot near the handle. Handle more than one time, at the junction take the ends of the two handle an intermediate position.

4 Test principle

Determination of the locking and unlocking hardware accessories (lock, handle, etc.), sliding doors or swing fan starts to open and fully closed position to lock or security Full means all of the required minimum force or torque when locking.

5 Test Equipment

Test apparatus comprises a support frame, with the factory supplied or specified anchor the test piece fixed to the support frame. The supporting frame it should have sufficient rigidity to ensure that its deformation does not affect the test results.

Test equipment should be able to provide uniform force, each incremental level of not more than 1.0N, and does not vibrate.

The test equipment weight pulley means (for example in Figure A.1 in Appendix A and Appendix B in Figure B.1) composition may also be used smoothly Devices (other spring-like device) the applied force or torque. Test apparatus also comprises a measuring and recording device, accuracy of 5%.

5.1 Weight pulley

Weights can be applied by a string and pulley force simultaneously. As shown in Figure A.1 and B.1.

String diameter, stiffness and weight of the test results should not have a significant effect.