

JIS

JAPANESE INDUSTRIAL STANDARD

**Determination of Closing and
Opening Forces for
Windows and Doors**

JIS A 1519—1988

Translated and Published

by

Japanese Standards Association

Printed in Japan

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

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Determination of Closing and Opening Forces
for Windows and Doors

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1. Scope

This Japanese Industrial Standard specifies testing methods of closing and opening forces by weight for Class 1 and Class 2 opening constituents, i.e., doors, windows and paper sliding doors specified in JIS A 0005, hereinafter referred to as the "doors", among the test specified in JIS A 1513.

Remark: The units and numerical values given in { } in this Standard are in accordance with the conventional units and are Standard values.

2. Definition

For the purposes of this Standard the following definitions apply:

- (1) closing and opening forces The closing force and opening force as defined below.
- (2) opening force The force needs to move a door from the closed position to the specified opened position.
- (3) closing force The force needs to move a door from the specified opened position to the closed position.

3. Testing Apparatus

3.1 Testing Frame The testing frame shall be such that a door specimen can be installed in the frame in a state of practical use of doors, and be sufficiently rigid so as any deformation occurring during the test not to influence the test results.

3.2 Weight The weight shall be composed of a weight body and a jig for suspending it as shown in Fig. 1 and be made of metal.

The test load shall be given by the weight, neglecting the weight of rope.

Applicable Standards:

JIS A 0005-Standard Nominal Size of Opening Components for Buildings

JIS A 1513-General Rule for Test Method of Windows and Doors

Corresponding International Standard:

ISO 8274 Doorsets - Determination of closing force