

JIS

JAPANESE INDUSTRIAL STANDARD

**Test Method of
Diagonal Deformation
by Static Load for Doorset**

JIS A 1521—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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Test Method of Diagonal Deformation
by Static Load for Doorset

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1. Scope

This Japanese Industrial Standard specifies the test method by static load of single swing doorset with Class 1 opening components specified in JIS A 0005 for the test of in-face deformation follow-up specified as test item of earthquake resistance in JIS A 1513.

Remark: The units and numerical values given in { } in this Standard are based on the traditional units and are currently the criteria in force.

2. Definitions

For the purpose of this Standard, the following definitions apply:

- (1) doorset Part of building constructed by door, frame, hinges, lock, etc.
- (2) in-face deformation follow-up Degree of possibility of opening and shutting of moving parts of doorset when applied with deformation in direction of in-face.
- (3) in-face displacement Ratio of difference between amounts of horizontal movements of upper and lower ends of outside dimensions of height of frame part (radian).
- (4) positive applied force Force applied from door end to hinged end of test body.
- (5) negative applied force Force applied from hinged end of test body to door end.

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

JIS B 7503-Dial Gauges Reading in 0.01 mm

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3. Test Equipment

3.1 Test Body Attaching Device The test body attaching device shall be of structure able to be attached to the test body according to ordinary using state, as appropriate, as shown in Figs. 1 (a) and 1 (b). Every frame constructing the device shall be so rigid as to endure sufficiently the testing applied force and shall be combined with each other by pin joints.

Fig. 1 (a). Test Body Attaching Device
(Figure for Example)

