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of opening and closing forces**

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In the event of any doubts arising as to the contents,
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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Sash Manufacturers Association (JSMA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS A 1519** : 1996), which has been technically revised.

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NOTE Based on Article 9 of the Supplementary Provisions to the Unfair Competition Prevention Act etc., any submission of proposal, or employment of procedures such as deliberation by the Japanese Industrial Standards Committee under the previous Industrial Standardization Act shall be deemed to have been conducted pursuant to the provision of Article 12, paragraph (1) of the revised Industrial Standardization Act.

Windows and doorsets — Determination of opening and closing forces

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 9379 : 2005**, Edition 2, with some modifications of the technical contents to reflect the conditions unique to Japan.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard.

A list of modifications with the explanations is given in Annex JA. The comparison table between previous and current editions of this Standard on technically significant revisions is given in Annex JB.

1 Scope

This Standard specifies, among the performance test methods listed in **JIS A 1513**, the method for determining the opening and closing forces of windows and doorsets using weights.

NOTE The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 9379 : 2005 *Operating forces — Test method — Doors* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 2:1**.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this Standard. The most recent edition of the standard (including amendments) indicated below shall be applied.

JIS A 1513 *Windows and doorsets — General rule for test method*

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions apply.

3.1

opening and closing forces

generic term for the force required to open the sash/leaf and the force required to close the sash/leaf. It is expressed by a value of the force produced by weight that disregards the mass of the cord and resistance of the pulley.