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# International Standard



# 6443

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Door leaves — Measurement of dimensions and of defects of squareness

*Vantaux de portes — Mesurage des dimensions et des défauts d'équerrage*

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[ISO 6443:1980](#)

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UDC 69.028.1 : 620.1

Ref. No. ISO 6443-1980 (E)

**Descriptors** : doors, measurement, dimensional measurement, defects, squaring.

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 6443 was developed by Technical Committee ISO/TC 162, *Doors and windows*, and was circulated to the member bodies in October 1978.

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It has been approved by the member bodies of the following countries :

Austria	India	Poland
Belgium	Ireland	Portugal
Canada	Italy	Romania
Czechoslovakia	Japan	South Africa, Rep. of
Denmark	Korea, Rep. of	Spain
Finland	Mexico	Sweden
France	Netherlands	United Kingdom
Germany, F.R.	Norway	

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The member body of the following country expressed disapproval of the document on technical grounds :

USA

# Door leaves — Measurement of dimensions and of defects of squareness

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### 1 Scope

This International Standard specifies a method for measuring the dimensions and the defects of squareness of door leaves.

### 2 Field of application

This International Standard applies to all doors which are nominally flat and rigid.

### 3 Principle

The measurement of dimensions and of the defects of squareness of a door leaf consists in taking :

- at one face, measurements of height and width;
- at the indicated points, measurements of thickness;
- at the four corners, measurements of deviation from squareness.

### 4 Procedure

ISO 6443:1980

#### 4.1 Measurement of height<sup>1)</sup>

Measure the height along the lines A-A and B-B (see figure) each of which is parallel to and 20 mm or less from a longitudinal edge.

#### 4.2 Measurement of width<sup>1)</sup>

Measure the width along the lines C-C and D-D (see figure) each of which is parallel to and 20 mm or less from a transverse edge.

#### 4.3 Measurement of thickness<sup>1)</sup>

Measure the thickness at six points which are located approximately 20 mm from the edges, at the middle of the width of the door leaf and at each one-third of the height (see figure).

1) National standards should be consulted as concerns measuring instruments.

**4.4 Measurement of defects of squareness<sup>1)</sup>**

Determine the deviation from squareness of adjacent edges of the door leaf at all four corners of the door leaf with a square with arms 500 mm long.<sup>2)</sup>

The height and width shall be rounded to the nearest millimetre. The thickness and deviation from squareness shall be expressed in millimetres to one decimal place.

**5 Accuracy of measurement**

The height and width shall be measured with a maximum uncertainty of  $\pm 0,5$  mm.

The thickness and deviation from squareness shall be measured with a maximum uncertainty of  $\pm 0,1$  mm.

**7 Test report**

The following information and results shall be recorded in the test report :

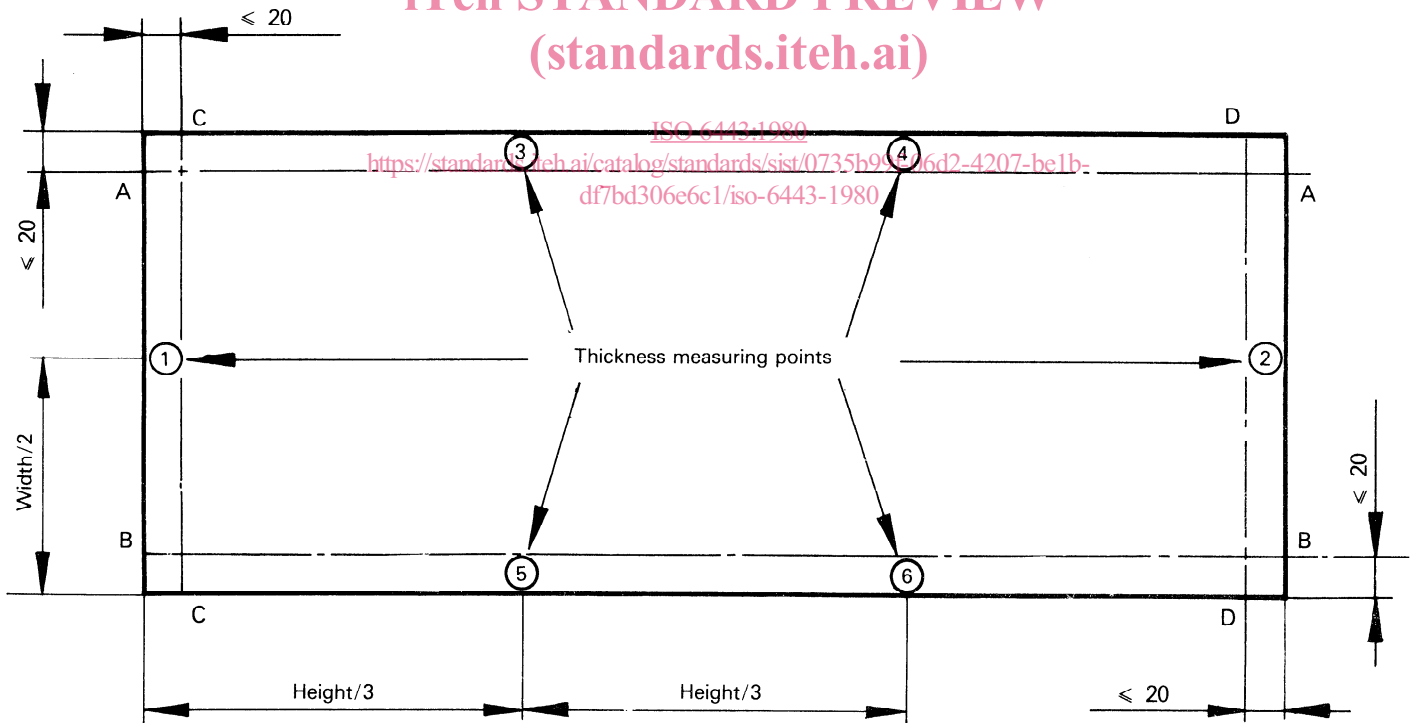
**6 Calculation and expression of results**

The results of all the measurements shall be noted in the test report.

- a) relevant details of type, dimensions, form, construction and finish of door leaf, machinings and accessories if they exist;
- b) measurement of height;
- c) measurement of width;
- d) measurement of thickness;
- e) measurement of defects of squareness;
- f) all other necessary details.

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Dimensions in millimetres



Figure

1) National standards should be consulted as concerns measuring instruments.

2) If long arms are different, indications shall be made in the test report.