

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

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**JIS B 6403** : 2020

(JFMA/JSA)

**Hydraulic presses — Testing of the  
grades and the accuracy**

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ICS 25.120.10

Reference number : JIS B 6403 : 2020 (E)

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B 6403 : 2020

Date of Establishment: 1959-02-17

Date of Revision: 2020-09-23

Date of Public Notice in Official Gazette: 2020-09-23

Investigated by: Japanese Industrial Standards Committee  
Standards Board for ISO area

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JIS B 6403 : 2020, First English edition published in 2021-08

Translated and published by: Japanese Standards Association  
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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Printed in Japan

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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 Forming Machinery Association (JFMA)/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 B 6403**:1994), which has been technically revised.

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# Hydraulic presses — Testing of the grades and the accuracy

## 1 Scope

This Japanese Industrial Standard describes the accuracy grades and the testing of accuracy of hydraulic presses used for punching, bending, forming and drawing of metallic materials (hereafter referred to as the presses). This Standard is not applicable to lateral type presses, columnar type presses not equipped with a slide guide, and the presses of special structure <sup>1)</sup>.

Note <sup>1)</sup> Special structure presses include powder moulding presses, hot forging presses, press brakes, moving ram type presses and exclusive presses equipped with an automatic feeder.

## 2 Normative references

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

JIS B 0111 *Press machinery — Vocabulary*

JIS B 6190-1 *Test code for machine tools — Part 1 : Geometric accuracy of machines operating under no-load or quasi-static conditions*

JIS B 7440-2 *Geometrical product specifications (GPS) — Acceptance and reverification tests for coordinate measuring machines (CMM) — Part 2 : CMMs used for measuring linear dimensions*

JIS B 7440-8 *Geometrical product specifications (GPS) — Acceptance and reverification tests for coordinate measuring systems (CMS) — Part 8 : CMMs with optical distance sensors*

JIS B 7539 *Cylindrical squares*

## 3 Term and definition

For the purpose of this Standard, the term and definition given in **JIS B 0111**, and the following apply.

### 3.1

#### **gib set**

state in which a slide guide (gib) has been adjusted to be ready for the production operation

## 4 Accuracy

### 4.1 Accuracy grades