



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 6411-1 : 2025

(JFMA/JSA)

**Machine tools safety — Presses — Part 1:
General safety requirements**

ICS 25.120.10;25.080.01

Reference number: JIS B 6411-1 : 2025 (E)

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B 6411-1 : 2025

Date of Establishment: 2025-03-25

Date of Public Notice in Official Gazette: 2025-03-25

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

JIS B 6411-1 : 2025, First English edition published in 2026-09

Translated and published by: Japanese Standards Association
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Printed in Japan

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Foreword

This Japanese Industrial Standard has been established by the Minister of Health, Labour and Welfare and the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Forming Machinery Association (JFMA) and Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act. **JIS B 6411** series including this Standard replaces **JIS B 6410** : 2009, which has been withdrawn.

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JIS B 6411 series consists of the following 3 parts under the general title *Machine tools safety — Presses* — :

Part 1: General safety requirements

Part 2: Safety requirements for mechanical presses

Part 3: Safety requirements for hydraulic presses

Machine tools safety — Presses —

Part 1: General safety requirements

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 16092- 1** : 2017, Edition 1, with some modifications of the technical contents due to the compliance with the structural standard for powered press machines and the structural standard for safety devices for press machines and shearing machines in Japan.

The dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

This Standard is a type-C standard as stated in **JIS B 9700**.

When requirements of this type-C standard are different from those which are stated in type-A or type-B standards, the requirements of this type-C standard take precedence over the requirements of the other standards for machines that have been designed and built according to the requirements of this type-C standard.

The machinery concerned and the extent to which hazards, hazardous situations or hazardous events are covered are indicated in Scope of this Standard.

This Standard is intended to be applied with at least one of the other relevant parts (Part 2: mechanical presses, Part 3: hydraulic presses).

1 Scope

This Standard specifies technical safety requirements and measures to be adopted by persons undertaking the design, manufacture and supply of presses which are intended to work cold metal or material partly of cold metal, but which can be used in the same way to work other sheet materials (e.g. cardboard, plastic, rubber, leather, etc.).

NOTE 1 The design of a machine includes the study of the machine itself, taking into account all phases of the “life” of the machine mentioned in **JIS B 9700** : 2013, **5.4**, and the drafting of the instructions related to all the above phases.

The requirements in this Standard take account of intended use, as defined in **JIS B 9700** : 2013, **3.23**, as well as reasonably foreseeable misuse, as defined in **JIS B 9700** : 2013, **3.24**. This Standard presumes access to the press from all directions, deals with all significant hazards during the various phases of the life of the machine described in Clause 4, and specifies the safety measures for both the operator and other exposed persons.

NOTE 2 “All significant hazards” means those identified or associated with presses at the time of the publication of this Standard.

This Standard applies to presses which can function independently and can also be