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(JFMA/JSA)

**Machine tools safety — Presses — Part 3:
Safety requirements for hydraulic presses**

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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 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 **JIS B 6411** series including this Standard replaces **JIS B 6410** : 2009, which has been withdrawn.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 3: Safety requirements for hydraulic presses

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 16092-3** : 2017, Edition 1, with some modifications of the technical contents due to the compliance with the structural code for powered press 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 **JIS B 6411-1**.

1 Scope

This Standard, in addition to **JIS B 6411-1**, specifies the technical safety requirements and measures to be adopted by persons undertaking the design, manufacture and supply of hydraulic presses which are intended to work cold metal or material partly made up of cold metal or other materials (e.g. cardboard, plastic, rubber, leather, etc.).

The hydraulic presses covered by this Standard range in size from small high-speed machines with a single operator producing small workpieces to large relatively slow-speed machines with several operators and large complex workpieces.

This Standard deals with all significant hazards relevant for hydraulic presses when they are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). All the phases of the lifetime of machinery as described in **JIS B 9700** : 2013, 5.4 have been taken into consideration.

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

ISO 16092-3 : 2017 *Machine tools safety — Presses — Part 3: Safety requirements for hydraulic presses* (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 21-1**.