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**NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC  
OF CHINA**

**中华人民共和国国家标准**

GB/T 9166-2009

Replace GB/T 9166-1988

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**Four-column hydraulic press—Testing of the accuracy**

**四柱液压机 精度**

**Issued on April 02, 2009**

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**Standardization Administration of the People's Republic of  
China**

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## Foreword

This Standard is not equivalent to JIS B6403-1994 *Hydraulic presses-Testing of the accuracy*.

This Standard will replace GB/T 9166-1988 *Four-column hydraulic presses-Testing of the accuracy*.

Comparison with GB/T 9166-1988, main changes of this Standard are as follows:

- Added the “Normative References”;
- Revised the accuracy test methods.

This Standard is proposed by China Machinery Industry Federation

This Standard is under the jurisdiction of National Technical Committee on Forging Machinery of Standardization Administration of China.

The responsible drafting organizations are Hefei Forge Press Co., Ltd, Jiangsu Yangli Group Co., Ltd and Huzhou Forge Press Co., Ltd.

The chief drafting staff of this standard includes Ding Yuemei, Li Guishan, Wang Yushan, Luo Guilin and Zheng Jianhua.

This standard replaces the following historical editions issued:

- GB/T 9166-1988.

# Four-column hydraulic press—Testing of the accuracy

## 1 Scope

This Standard specifies the accuracy testing items of the four-column hydraulic press, its testing tool, accuracy tolerance value, and accuracy testing method.

This Standard applies to general-purpose four-column hydraulic press.

## 2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 6092-2004 Squares

GB/T 10923 Test code of accuracy for metalforming machine

GB/T 16455-2008 Bar and frame level meter

JB/T 7977-1999 Cast iron straight edge

## 3 General requirements

**3.1** Working table is a datum plane of hydraulic press accuracy testing.

**3.2** Before accuracy testing, the press shall be adjusted horizontally, with the horizontal deviation of the working table between horizontal and vertical directions no more than 0.20/1000mm.

**3.3** If equipped with mobile working table, the working table shall be located at the working position of the hydraulic press and shall be firmly locked.

**3.4** The accuracy testing of the hydraulic press shall be separately conducted after the test of idling running and running at full capacity, and the measured value of the accuracy after the test of running at full capacity will be taken as the basis for judgment of

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