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ICS 01.100.01
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JB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JB/T 15292-2025

Technical product documentation - Technical regulation for numerical simulation on processing technology of large castings

技术产品文件 大型铸件成型工艺数值模拟技术规范

(English Translation)

Issued on: December 17, 2025 **Implemented on: July 1, 2026**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/jb-t-15292-2025

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1 Foreword

JB/T 15292-2025 was issued by Ministry of Industry and Information Technology on 17 December 2025 and has been in force since 1 July 2026.

The JB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the general requirements, basic process, numerical simulation requirements for temperature field, flow field, stress field, microstructure field, and macro-micro multi-field coupling simulation of large casting forming processes. This standard applies to the simulation and optimization of large casting forming processes, and others.

JB/T 15292-2025 falls under ICS 01.100.01, in the field of generalities, terminology and documentation.

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This catalogue holds 8 other JB/T standards in that field.

In this catalogue, JB/T standards carry edition years from 1967 to 2026.

3 About this standard

Sector: Mechanical & Machinery Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

GB/T 15054.1-2018 - Miniature screw threads - Part 1: Profiles, general plan and basic dimensions

JB/T 6063-2006 - Non-destructive testing - Materials for magnetic particle testing

GB/T 15822.1-2005 - Non-destructive testing -- Magnetic particle testing -- Part 1: General principles

JB/T 15294-2025 - Technical product documentation - Technical specifications of virtual assembly for NC machine toolstools

JB/T 15293-2025 - Technical product documentation - Technical specifications of three-dimensional modeling for NC machine tools

JB/T 15291-2025 - Technical product documentation - Technical regulation for numerical simulation on processing technology of large forgings

5 Classification and status

International classification (ICS): 01.100.01

Chinese Standard Classification (CCS): J 04

Prefix JB/T: recommended standard.

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