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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 10051.2-2010

Replace GB/T 10051.2-1988

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**Lifting hooks—Part 2: Technical conditions for  
forged hooks**

**起重吊钩 第2部分：锻造吊钩技术条件**

**Issued on January 10, 2011**

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

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## Foreword

GB/T 10051 *Lifting hooks* consists of following parts:

- Part 1: Mechanical properties, lifting capacities, stresses and materials;
- Part 2: Technical conditions for forged hooks;
- Part 3: Inspection of forged hooks in service;
- Part 4: Blanks of shank hook with point;
- Part 5: Shank hooks with point;
- Part 6: Blanks of ramshorn shank hooks;
- Part 7: Ramshorn shank hooks;
- Part 8: Blanks of cross pieces for hooks;
- Part 9: Cross pieces;
- Part 10: Hook nuts;
- Part 11: Securing plates for hook nuts;
- Part 12: Safety latch for lifting hook;
- Part 13: Technical conditions for laminated hooks;
- Part 14: Inspection of laminated hooks in service;
- Part 15: Laminated hooks with point

This is part 2 of GB/T 10051.

The modification for this part refers DIN 15404-1:1989 *Lifting Hooks - Technical Conditions for Forged Hooks*.

This part is redrafted in accordance with DIN 15404-1:1989.

Taking into account the conditions of China, it has been modified when adopting DIN 15404-1:1989, and these technical differences are marked at related page margin with a vertical single line. All the technical differences and reasons are listed in Annex A for reference.

For the purpose of easy use, the following editorial amendments are made in this part:

- "This Standard" is changed to "This Part";
- Decimal point “.” is used to replace commas “,” used as decimal point;

This part will replace GB/T 10051.2-1988 *Lifting hooks-Technical conditions of shank*

*hook.*

Comparison with GB/T 10051.2-1988, main changes of this part are as follows:

- Added the GB/T 10051.6 and GB/T 10051.7 contents;
- Added 4.3 Impacting Energy Test;
- Deleted annex A in previous standard;
- Added annex B.

Annex A and B of this part are informative annex.

This part is proposed by China Machinery Industry Federation.

This part is under the jurisdiction of National Technical Committee (SAC/TC 227) on Hoisting Machinery of Standardization Administration of China.

The responsible drafting organization is Taiyuan Heavy Machinery Group Co., Ltd.

The participate drafting organizations are Beijing Hoisting Transport Machinery Design and Research Institute, Baoding Heavy Industry Co., Ltd, Xuzhou big CKH Engineering Machinery Co., Ltd and China National Erzhong Group Co., Ltd.

The chief drafting staff of this standard includes Liu Runlin, Ye Peixin, Wang Shoucheng, Zhu Baosong, Zhuang Jun, Wu Lanfu, Zhang Yanping, Shen Changhong and Wang Xiaoling.

This standard replaces the following historical editions issued:

- GB/T 10051.2-1998.

# Lifting hooks—Part 2: Technical conditions for forged hooks

## 1 Scope

Technical requirements, test methods, inspection rules, marking, packaging, transportation and storage for forged hooks are specified in this part of GB/T 10051. This part applies to forged hooks used for lifting machinery specified in GB/T 10051.1 (hereinafter referred to as hooks).

## 2 Normative references

The articles contained in the following documents have become this part of GB/T 10051 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 197 General purpose metric screw threads—Tolerances (GB/T 197-2003, ISO 965-1:1998, MOD)

GB/T 223 Methods for chemical analysis of iron, steel and alloy

GB/T 228 Metallic materials—Tensile testing at ambient temperature (GB/T 228-2002, eqv ISO 6892:1998)

GB/T 229 Metallic materials—Charpy pendulum impact test method (GB/T 229-2007, ISO 148-1:2006, MOD)

GB/T 1804 General tolerances—Tolerances for linear and angular dimensions without individual tolerance indications (GB/T 1804-2000, eqv ISO 2768-1:1989)

GB/T 2975 Steel and steel products—Location and preparation of test pieces for mechanical testing (GB/T 2975-1998, eqv ISO 377:1997)

GB/T 10051.1-2010 Lifting hooks Mechanical properties, lifting capacities, stresses and materials

GB/T 10051.4 Lifting hooks-Part 4: Blanks of shank hook with point

GB/T 10051.5 Lifting hooks-Part: Shank hooks with point



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