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

GB/T 10051.10-2010

Lifting hooks -- Part 10: Hook nuts

起重吊钩 第10部分：吊钩螺母

(English Translation)

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Foreword

GB/T 10051 "crampon" is divided into the following sections.

- Part 1. mechanical properties, lifting, stress and materials;
- Part 2. Forged hook technical conditions;
- Part 3. Forged hook in check;
- Part 4. shank hook with blank;
- Part 5. Shank hooks;
- Part 6. straight double hook shank blank;
- Part 7. straight double hook shank;
- Part 8. hook beam blank;
- Part 9. hook beam;
- Part 10. hook nut;
- Part 11. hook nut locking plate;
- Part 12. Hook locking means;
- Part 13. Laminated hook technical conditions;
- Part 14. Laminated hook in check;
- Part 15. Laminated single hook.

This section GB/T 10051 Part 10.

The partial modification using DIN15413. 1983 "means lifting pulley block hook nuts." this section according to DIN15413. 1983 redrafted.

Taking into account China's national conditions, in the use of DIN15413. 1983 when

modified, these technical differences are identified in the single vertical line involved in the margins, given the technical reasons for differences and their list in Appendix A for reference.

For ease of use, this section also made the following editorial changes.

--- "This standard" be replaced by "this section";

--- With a decimal point "." Instead of a comma as the decimal point "," Appendix A of this section is an informative annex.

This part is proposed by China Machinery Industry Federation.

This part of the National Standardization Technical Committee crane (SAC/TC227) centralized.

This section is responsible for drafting unit. Taiyuan Heavy Machinery Group Co., Ltd.

Participated in the drafting of this section. Beijing Materials Handling Design and Research Institute.

1 Scope

This section GB/T 10051 specifies the hook nut type and size, technical requirements, test methods, inspection rules and signs, package.

This section applies to hook nut (hereinafter referred to as a nut).

2 Normative references

The following documents contain provisions which, through reference GB/T 10051 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 196 common thread basic size (GB/T 196-2003, ISO 724:1993, MOD) GB/T 197 common thread tolerance (GB/T 197-2003, ISO 965-1:1998, MOD) GB/T 223 steel and alloy chemical analysis method GB/T 228 metal materials at room temperature tensile test method (GB/T 228-2002, eqv ISO 6892:1998) GB/T 229 metal Charpy pendulum impact test method (GB/T 229-2007, ISO 148-1:2006, MOD) GB/T 1184 shape and position tolerances without individual tolerance value (GB/T 1184-1996, eqv ISO 2768-2. 1989 GB/T 1804 General tolerances Tolerances for linear and angular dimensions without individual tolerance (GB/T 1804-2000, eqv ISO 2768-1.

1989)

GB/T 10051.1-2010 crampons - Part 1. mechanical properties, lifting, stress and materials
GB/T 10051.2-2010 lifting hook - Part 2. Forged hook technical conditions GB/T 10051.5
lifting hooks - Part 5. Shank hooks GB/T 10051.11 crampons - Part 11. hook nut locking
plate GB/T 13384 mechanical and electrical products packaging General technical
conditions GB/T 20066 Steel and iron - Sampling and determination of the chemical
composition of the sample with a sample preparation method (GB/T 20066-2006, ISO
14284.

1996, IDT)

JB/T 5000.15-2007 Heavy mechanical general techniques and non-destructive testing of
steel forgings

3 Nuts intensity level

According to the mechanical properties of nuts into five intensity levels, and lifting hooks
intensity level matches, see GB/T 10051.1-2010 3 Chapter Table 1.

4 Nut load ratings

At different intensity levels and institutions working level, each nut to withstand the rated
load (starting weight) should be matched with the hook, and its value GB/T 10051.1-2010
Chapter 4 listed in Table hook hook No. 2 from the same weight.