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

GB/T 24809.1-2009

Cranes -- Requirements for mechanisms -- Part 1: General

起重机 对机构的要求 第1部分：总则

(English Translation)

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Foreword

GB/T 24809 "Crane institutional requirements" is divided into five sections.

- Part 1. General;
- Part 2. Mobile cranes;
- Part 3. Tower cranes;
- Part 4. jib cranes;
- Part 5. Bridge and gantry cranes.

This is Part 1 GB/T 24809 of.

This part identical with ISO 10972-1:1998 "Cranes institutional requirements - Part 1. General" (in English).

This section is equivalent translation ISO 10972-1:1998.

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

- The term "this part of ISO 10972" with the words "GB/T 24809 in this section";
- Delete ISO 10972-1:1998 Foreword and Introduction;
- With a decimal point instead of a comma as the decimal point, "";
- For ISO 10972-1:1998 international standard references have been adopted as the equivalent of the standard with our standard replaces the corresponding International standards, other non-identical with direct reference to international standards for our standards.

This part is proposed by China Machinery Industry Federation.

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

This section drafted by. DHI DCW Group Co., Ltd., Beijing Institute of lifting the transport machinery design.

1 Scope

This section GB/T 24809 specifies the GB/T 6974.1, GB/T 6974.3 and ISO 4306-2 defined cranes and lifting Agencies and relevant parts of the equipment generally applicable requirements.

These requirements include.

- a) organization overall layout and design;
- b) the choice of components and/or design requirements;
- c) provisions relating to the manufacture, erection, installation and testing.

This section GB/T 24809 does not include involve various limit states (such as yield strength, fatigue, wear, etc.) the ability of checking rules.

2 Normative references

The following documents contain provisions which, through reference GB/T 24809 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 3480.5-2008 spur and helical gears Calculation of load capacity - Part 5. Strength and quality of materials (ISO 6336-5:2003, IDT) GB/T 5905 Cranes - Test code and procedures (GB/T 5905-1986, idt ISO 4310. 1981) GB/T 5972 crane wire rope maintenance,, installation, examination and discard (GB/T 5972-2009, ISO 4309.

2004, IDT)

GB/T 6974.1 crane terminology - Part 1. General terms (GB/T 6974.1-2008, ISO 4306-1:2007, IDT) GB/T 6974.3 cranes Terminology - Part 3. Tower cranes (GB/T 6974.3-2008, ISO 4306-3:2007, IDT) GB/T 7932 pneumatic systems General technical conditions (GB/T 7932-2003, ISO 4414:1998, IDT) GB/T 10062.1 bevel gear carrying capacity calculation methods - Part 1. Introduction and general influence factors (GB/T 10062.1-2003, ISO 10300-1:2001, IDT) GB/T 10095.1 cylindrical gear accuracy system - Part 1. Definitions tooth surface deviation and ipsilateral tooth allowable value (GB/T 10095.1-2008, ISO 1328-1:1995, IDT) GB/T 20863.1 crane classification - Part 1. General (GB/T 20863.1-2007, ISO 4301-1. 1986, IDT) GB/T 20947 Short link chain for lifting Grade T (T, DAT and DT) precision hoist chain (GB/T 20947-2007, ISO 3077:2001, IDT) GB/T 24811.1-2009 cranes and crane Selection of wire ropes - Part 1. General (ISO 4308-1:2003, IDT) GB/T 248,124 Grade chain forged hook and eye (GB/T 24812-2009, ISO 4779. 1986, IDT) GB/T 24813 8 chains of grade forged hook and eye (GB/T 24813-2009,

ISO 7597. 1987, IDT) GB/T 24809.1-2009/ISO 10972-1:1998