

ICS 53.020.20
CCS J 80



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

GB/T 24809.4-2009

Cranes -- Requirements for mechanisms -- Part 4: Jib cranes

起重机 对机构的要求 第4部分：臂架起重机

(English Translation)

Issued on: December 15, 2009

Implemented on: July 1, 2010

Issued by: Standardization Administration of China

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Requirements

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 4 GB/T 24809 of.

This section identical with ISO 10972-4:2007 "Cranes institutional requirements - Part 4. jib crane" (in English).

This section is equivalent translation ISO 10972-4:2007.

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

The term --- "ISO 10972 this part" to "GB/T 24809 in this section";

--- Remove ISO 10972-4:2007 Foreword and Introduction;

"," --- With a decimal point instead of a comma as the decimal point, "";

--- For ISO 10972-4:2007 international standard references, have been adopted as the equivalent of the standard with our standard replaces the corresponding International standards, the other is not 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 part mainly 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 defined jib crane Institutional overall design and arrangement of parts Selection and design requirements and guidance manufacture, assembly, installation and testing instructions relating to the special requirements. General requirements for crane bodies According to the provisions of GB/T 24809.1 of.

The carrying capacity of this part of GB/T 24809 are not included under different limit states (such as yield strength, fatigue, wear, etc.) Calculation of verification rule.

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 5226.2 Safety of machinery electrical equipment Part 32. Requirements for hoisting machines (GB 5226.2-2002, idt IEC 60204-32:1998) GB/T 6974.1 crane terminology - Part 1. General terms (GB/T 6974.1-2008, ISO 4306-1:2007, IDT) GB/T 24809.1 crane institutional requirements - Part 1. General (GB/T 24809.1-2009, ISO 10972-1.

1998, IDT)

GB/T 24810.4 crane limiter and indicator Part 4. Boom Crane (GB/T 24810.4-2009, ISO 10245-4:2004, IDT) Part 4 of the anchoring device ISO 12210-4 crane working state and non-working state. jib crane ISO 12488-4 crane and trolley wheel carts and track tolerances - Part 4. jib crane

3 Terms and Definitions

GB/T 6974.1 and established in the following terms and definitions apply to this section.

The wire rope is wound into a roll on the method.

4 Requirements

4.1

The overall design and layout

4.1.1 General

Institutions should comply with the relevant provisions of GB/T 24809.1.

4.1.2 Rope driven luffing mechanism

Construction and arrangement of the boom and the support rope drive mechanism should ensure that no matter when the crane load or no-load, the maximum working wind speed by increasing headwind can achieve substantial luffing movement.

GB/T 24809.4-2009/ISO 10972-4:2007