

ICS 53.020.20

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

GB/T 24810.4-2009

Cranes -- Limiting and indicating devices -- Part 4: Jib cranes

起重机 限制器和指示器 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

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Foreword

GB/T 24810 "Cranes - Limiting and indicating" 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 section GB/T Part of 424,810.

This section identical with ISO 10245-4:2004 "Cranes limiters and indicators - Part 4. jib crane" (in English), Including its technical corrigendum ISO 10245-4/Cor. 1.2006.

This section is equivalent translation ISO 10245-4:2004.

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

The term --- "ISO 10245 this part" to "GB/T 24810 in this section";

--- Delete foreword international standards;

--- For ISO 10245-4:2004 international standards cited by international standards have been adopted in place of the corresponding standard for Has not been adopted as a standard of international standards in this section are referenced directly;

--- For press ISO 10245-4:2004 Technical Corrigendum modify the content identified by vertical double page in terms of which they are involved Margin.

This part is proposed by China Machinery Industry Federation.

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

This section is drafted. Beijing Materials Handling Research Institute.

Introduction

This section GB/T 24810 raised crane design requirements, and gives design guidelines and now reflect crane design Shaped design criteria. The practice has proved that the design guidelines to ensure the life of the crane to meet the basic safety requirements and crane components Requirements are good. Failure to follow these design guidelines will result in increased risk of life or crane lowered. But the industry consensus.

New technology, new materials can also achieve the same effect or enhance safety and extend the life of the crane as a new solution.

GB/T 24810.4-2009/ISO 10245-4:2004 Crane limiter and indicator Part 4. jib crane

1 Scope

GB/T 24810 provisions of this section apply to the jib crane by the GB/T 6974.1 predetermined load, movement, performance, and ring Limiter and an indicator of habitat requirements. Offshore cranes, tower cranes, mobile cranes and railway cranes limiter and indicator See the rest of the requirements of GB/T 24810 of. General requirements for all types of cranes limiter and indicator See GB/T 24810.1-2009.

2 Normative references

The following documents contain provisions which, through reference GB/T 24810 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 6974.1 crane terminology - Part 1. General terms (GB/T 6974.1-2008, ISO 4306-1:2007, IDT) GB/T 22437.1-2008 design principles for loads and load combinations - Part 1. General (ISO 8686-1.

1989, MOD)

GB/T 24810.1-2009 crane limiter and indicators - Part 1. General (ISO 10245-1:2008, IDT) ISO 8686-4:2005 Crane Design principles for loads and load combinations - Part 4. jib crane

3 Terms and Definitions

Terms and definitions GB/T 24810.1 established applicable to this section.

4.1 General Requirements jib crane

Nominal weight of 1t or more cranes and overturning moment due to the load is greater than the 40000N · m shall be equipped with a scale Given from the weight limiter and indicator.

Note: The wire rope hoists or chain hoists Lifting capacity does not change with the position of the load changes, do not install the rated capacity indicator.

4.2 Rated capacity limiter parameters and performance requirements

4.2.1

Lifting capacity limiter shall comply with GB/T 24810.1-2009 4.3 requirements, according to GB/T 24810.1-2009

4.3.2 Requirements Operation.

4.2.2

rated capacity limiter should be enabled by a sustained action until the overload is removed, the lever back in place.

4.2.3

during the operation requires a rated capacity limiter means cooperating to prevent the load from the dynamic changes. Rated Weight limiter shall permit the rated load and lifting device designed to accelerate the upward movement of the average acceleration.

Note: In general, the rated load test, adjustable limiter and set the appropriate value. For the series production of hoisting winch, adjustments during plant trial Given from the weight limiter, full attention should be on the set value modification for future real boom time.

4.2.4

rated capacity limiter limits QL should satisfy the formula (1).

GB/T 24810.4-2009/ISO 10245-4:2004