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

GB/T 17909.4-2023

Cranes - Operating manual - Part 4: Jib cranes

起重机 操作手册 第4部分：臂架起重机

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Foreword

This document is in accordance with the provisions of GB/T 1:1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules for Standardization Documents" drafting: This document is part 4 of GB/T 17909 "Crane Operation Manual": GB/T 17909 has published the following parts:

--- Part 1: General;

--- Part 2: Mobile cranes;

--- Part 4: Jib cranes: Please note that some contents of this document may refer to patents: The issuing agency of this document assumes no responsibility for identifying patents: This document is proposed by the Ministry of Transport of the People's Republic of China: This document is under the jurisdiction of the National Hoisting Machinery Standardization Technical Committee (SAC/TC227): This document was drafted by: Water Transportation Research Institute of the Ministry of Transport, Lianyungang Port Holdings Group Co., Ltd., Nanjing Port Machinery Heavy Industry Manufacturing Co., Ltd., Yangge Technology Co., Ltd., Weite Technology Co., Ltd., Wuhan Gangdi Intelligent Technology Co., Ltd., Wuhan University of Technology, Harbin Erbin Engineering Machinery Manufacturing Co., Ltd., Shunde Vocational and Technical College: The main drafters of this document: Zou Yunfei, Zhang Dwen, Li Wenhao, Dong Zhiping, Zhao Wei, Yang Guangkui, Li Bin, Zhou Jiazhi, Xu Zhangyi, Yin Xuecheng, Yu Changbai, Yuan Jianming, Ma Qiang, Zhang Chi, Dong Shimin, Gao Chongjin, Lu Qiang, Hu Tao, Cao Zhiyong, Yuan Jun:

Jib cranes are widely used in ports, shipyards and equipment manufacturing, hydropower construction, nuclear power construction, railways, bridges and other fields: according to The ISO /TC96 standard system divides cranes into four categories: mobile cranes, tower cranes, jib cranes, bridge and gantry cranes: Class, GB/T 17909 series standards are proposed to be composed of five parts:

--- Part 1: General: The purpose is to specify the general requirements for the expression method and content of the crane operation manual:

--- Part 2: Mobile cranes: The purpose is to specify the general requirements for the

expression method and content of the mobile crane operation manual:

--- Part 3: Tower cranes: The purpose is to specify the general requirements for the expression method and content of the tower crane operation manual:

--- Part 4: Jib cranes: The purpose is to specify the general requirements for the expression method and content of the jib crane operation manual:

--- Part 5: Bridge and gantry cranes: The purpose is to specify the expression method and content of the operation manual of bridge and gantry cranes General requirements: Crane Operator's Manual Part 4: Jib cranes

1 Scope

GB/T 17909.4-2023 is the Chinese national standard on cranes - operating manual - part 4: jib cranes, in the field of materials handling equipment. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 23 May 2023 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 December 2023. Classification: ICS 53.020.20, CCS J80. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the general requirements for the presentation and content of jib crane operating manuals: This document applies to the preparation of the jib crane operation manual defined in GB/T 6974:4:

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text: Among them, dated references For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document:

GB/T 3101 General Principles Relating to Quantities, Units and Symbols GB/T 6067:

1 Safety Regulations for Hoisting Machinery Part 1: General Principles GB/T 6974:

1 Crane Terminology Part 1: General Terms GB/T 6974:

3 Terms and Definitions

The terms and definitions defined in GB/T 6974:1 and GB/T 6974:4 apply to this document:

4 Expression method of operation manual

1 General requirements 4:1:

1 The manufacturer shall provide the operation manual, which shall meet the following requirements:

- a) be concise and easy to understand, with appropriate explanatory notes;
- b) use internationally recognized symbols;
- c) Provide paper version and electronic version: 4:1:

2 The operation manual shall be able to provide the complete information of the jib crane required by the crane operator (hereinafter referred to as the "operator"), and shall be provided in a reasonable manner: Express them in an appropriate order and in an acceptable manner: 4:1:

3 The content of the operation manual should be concise, and all the information contained in it should be clearly expressed and easy to understand: 4:1:

4 The operation manual should preferably use clear and concise schematic diagrams, graphs and tables instead of written expressions, and arrange them in the relevant discussion nearby: