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

GB/T 24818.2-2021

Cranes - Access, guards and restraints - Part 2: Mobile cranes

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Table of Contents

foreword

Introduction

1 Scope

2 Normative references

3 Terms and Definitions

4 channels

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 of Standardization Documents"

drafted:

This document is part 2 of GB/T 24818 "Crane Access and Safety Protection Facilities": GB/T 24818 has been released to

Lower part:

--- Part 1: General;

--- Part 2: Mobile cranes;

--- Part 3: Tower cranes;

--- Part 4: Jib cranes;

--- Part 5: Overhead and gantry cranes:

This document replaces GB/T 24818:2-2010 "Crane access and safety protection facilities - Part 2: Mobile cranes", and

Compared with GB/T 24818:2-2010, in addition to structural adjustment and editorial changes, the main technical changes are as follows:

a) the General Provisions are cancelled (see Chapter 3 of the:2010 edition);

b) Modified terms and definitions (see Chapter 3, Chapter 4 of the:2010 edition);

c) will general requirements, performance requirements, steps, ladders, staircases, handrails and handles, platforms, aisles, walkways, guardrails and skirting boards, entrances and exits,

Power and manual access devices, safety protection facilities are combined into Chapter 4

(see Chapter 4, Chapter 5 to Chapter 14 of the:2010 edition):

This document uses the translation method equivalent to ISO 11660-2:2015 "Crane access and safety protection devices - Part 2: Mobile

crane":

The Chinese documents that have a consistent correspondence with the international documents normatively cited in this document are as follows:

---GB/T 6974:2-2017 Crane Terminology Part 2: Mobile Cranes (ISO 4306-2:2007, IDT)

---GB/T 24818:1-2009 Crane access and safety protection facilities - Part 1: General (ISO 11660-1:2008,

IDT)

Please note that some content of this document may be patented: The issuing agency of this document assumes no responsibility for identifying patents:

Introduction

GB/T 24818 "Crane Access and Safety Protection Facilities" regulates the normal operation, maintenance, inspection, installation, dismantling and

Technical requirements for access to consoles and other areas in case of emergencies, as well as protection of personnel on or near the crane:

The technical requirements for the safety protection design of moving parts, falling objects, and rotating parts have played a positive role, aiming to unify domestic

The safety requirements for heavy machine passages and safety protection facilities consist of 5 parts:

--- Part 1: General: The purpose is to specify the general requirements for crane access and safety protection facilities:

--- Part 2: Mobile cranes: The purpose is to specify special requirements for mobile crane access and safety protection facilities:

--- Part 3: Tower cranes: The purpose is to specify the special requirements for tower crane access and safety protection facilities:

--- Part 4: Jib cranes: The purpose is to specify the special requirements for the access and safety protection facilities of jib cranes:

--- Part 5: Overhead and gantry cranes: The purpose is to specify the special characteristics of bridge and gantry crane access and safety protection facilities:

Require:

Crane access and safety protection facilities

Part 2: Mobile cranes

1 Scope

This document specifies the specific requirements for access and safety guards for mobile cranes as defined in ISO 4306-2:

ISO 11660-1 specifies the control of cranes as defined in ISO 4306-1 during normal operation, maintenance, inspection, erection and dismantling

General requirements for access to platforms and other areas, and protection of persons on or near cranes from moving parts, falling objects, turning

General requirements for safeguards against injuries by components:

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, dated citations

documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to

this document:

ISO 4306-2 Cranes Terminology Part 2: Mobile Cranes (Cranes-Vocabulary-Part 2: Mobile cranes)

ISO 11660-1 Cranes access and safety guards - Part 1: General (Cranes-Access, guards and re-

straints-Part 1: General)

3 Terms and Definitions

Terms and definitions defined in ISO 11660-1 apply to this document:

4 channels

4.1 General

All consoles shall be accessible from the ground or via walkways, stairs, ladders and/or pedestals:

Other parts of the crane that require frequent access (i.e: weekly) for operation or maintenance should be equipped with access devices:

With three-point support, mobile crane crawlers can be used as access treads:

4:2 Requirements

4:2:1 General design requirements for channels

When determining the channel size, the following requirements should be met:

- a) the machine is on level ground;
- b) The machine is parked according to the manufacturer's instructions:

4:2:2 Compliance with the requirements of ISO 11660-1

The design requirements of the channel shall comply with the requirements of ISO 11660-1:2008, and be perfected according to the corresponding clauses of this document, as shown in Table 1: