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

GB/T 25195.2-2025

Replacing GB/T 25195.2-2010

**Cranes - Graphical symbols - Part 2: Mobile cranes
(English Translation)**

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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 2 of GB/T 25195 Graphical Symbols for Cranes. GB/T 25195 has been published in the following parts.

- Part 1: General;
- Part 2: Mobile cranes;
- Part 3: Tower cranes;
- Part 4: Jib cranes.

This document replaces GB/T 25195.2-2010 "Graphical symbols for cranes Part 2: Mobile cranes" and Compared with GB/T 25195.2-2010, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) The definition of the term "graphic symbol" has been changed (see 3.1, 3.1 of the 2010

edition);

b) The general principles of symbol design have been modified (see 4.9, 4.9 of the 2010 edition);

c) The registration number requirement has been deleted (see 4.10 of the 2010 edition);

d) Changed the registration number requirements when letters and numbers are used as symbols (see 4.10, 4.11 of the 2010 edition);

e) The standards referred to by the frame markings have been changed (see 4.11, 4.12 of the 2010 edition);

f) the requirement for microfilm of symbols has been deleted (see 4.13 of the 2010 edition);

g) The color used for light display has been changed from light yellow to amber (see 5.1, 5.1 of the 2010 edition);

h) Deleted basic symbols such as hydraulic system, general symbols, engine symbols, transmission symbols such as transmission oil, hydraulic system symbols, Braking system symbols such as brake oil/brake fluid, fuel symbols such as fuel pressure, lighting symbols such as headlights, front windshield/front windshield Window symbols such as wipers, telescopic boom crane symbols, fixed length boom crane symbols, grab bucket symbols, grabbing tongs symbols Registered ISO 7000 symbols for mobile cranes such as winch symbol, outrigger symbol, outrigger basic symbol (see 2010 edition 6.1, 6.3~6.6, 6.10~6.13, 6.15, 6.16, Chapter 7, Chapter 8, 9.1, 9.2, 9.4, 9.7, Chapter 10, 11.1~11.3, 11.5~11.8, 12.2~12.6, 12.8, 13.1~13.5, 13.7, 13.8, 14.1~14.3, 14.5~14.8, Chapter 15~Chapter 20, 21.1~21.3, 21.6, 21.7);

i) Changed the transmission, fault/failure, transmission oil temperature, transmission fault/failure, transmission oil level, brake system temperature, fuel Oil cut-off, marker lights, front windshield/front windshield defogger/defroster, outrigger right outrigger beam horizontally extended, outrigger right Symbol registration number for outrigger beam horizontal retraction, outrigger right cylinder descending and vertical extension, outrigger right cylinder ascending and vertical retraction (See 6.1, 6.2, 7.1~7.3, 8.1, 9.2, 10.3, 11.1, 12.1~12.4, 6.2, 6.14, 9.3, 9.5, 9.6, 11.4, 12.7, 13.6, 14.4, 21.4, 21.5, 21.8, 21.9).

This document is equivalent to ISO 7296-2:2020 "Graphical symbols for cranes - Part 2: Mobile cranes".

Introduction

GB/T 25195 "Graphical symbols for cranes" specifies the graphic symbols used for crane operating controls and other display devices.

The number is planned to consist of five parts.

--- Part 1: General. The purpose is to specify the common graphic symbols used for crane controls and the control buttons and signal lights.

color.

--- Part 2: Mobile cranes. The purpose is to specify the graphic symbols for mobile crane control devices and other display devices.

--- Part 3: Tower cranes. The purpose is to specify the graphic symbols for tower crane operating controls and other display devices.

--- Part 4: Jib cranes. The purpose is to specify the graphic symbols for operating controls and other display devices of jib cranes General principles, colors and basic symbols.

--- Part 5: Bridge and gantry cranes. The purpose is to specify the operating control devices and other display devices of bridge and gantry cranes.

Graphic symbol set.

Crane graphic symbol Part 2: Mobile cranes

1 Scope

This document specifies the graphical symbols for controls and other display devices for mobile cranes as defined in ISO 4306-2.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

symbols)

Note: GB/T 16273.1-2008 Graphical symbols for equipment Part 1: General symbols (ISO 7000:2004, NEQ).

ISO 80416-2 Basic rules for graphic symbols for equipment Part 2: Form and use of arrows

Note. GB/T 16902.2-2008 Rules for the representation of graphical symbols for equipment Part 2: Form and use of arrows (ISO 80416-2:2001, MOD).

IEC 80416-1 Basic rules for graphic symbols for equipment Part 1: Generation of registered graphic symbols Note. GB/T 23371.1-2013 Basic rules for graphic symbols for electrical equipment Part 1: Generation of registered graphic symbols (IEC 80416-1.

2008, IDT).

3 Terms and definitions

The following terms and definitions apply to this document.

Graphical symbolgraphicalsymbol;symbol Visually perceptual graphics that are intuitive and easy to understand, have special meanings, are independent of language, and are used to express information.

[Source. ISO 7001:2023, 3.1]

4 General

4.1

Symbols shall comply with the provisions of Chapters 5 to 12. In actual use, in order to improve the clarity of symbol production and facilitate operator recognition, in addition, symbols that are outlined may be filled, unless otherwise specified for some special symbols.

4.2

If the basic graphic elements are not changed and the operator can easily identify them, when certain symbols are copied and displayed, the symbols can be bolded as needed.

lines or make other minor modifications.

4.3

In order to improve the appearance and visual effect of the symbol, or to coordinate with the equipment using the symbol, the basic characteristics of the symbol may be retained.