INTERNATIONAL STANDARD

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Second edition
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Cranes — Limiting and indicating devices —

Part 2: Mobile cranes

Appareils de levage à charge suspendue — Limiteurs et indicateurs —

Partie 2: Grues mobiles

Reference number
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Contents

Page

Foreword ... **iv**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 General ... **2**

5 Rated capacity limiter ... **2**
5.1 General ... 2
5.2 Setting ... 3

6 Rated capacity indicator ... **3**

7 Load indicator ... **4**

8 Motion limiters ... **4**
8.1 Operating requirements ... 4
8.2 Types of hoisting limiters ... 4
8.3 Lowering limiter ... 4
8.4 Derrick limiter ... 4
8.5 Attachment backstops ... 4

9 Additional mandatory limiters ... **5**

10 Motion and performance indicators ... **5**
10.1 Hoisting limit indicator ... 5
10.2 Attachment angle indicators ... 5
10.3 Attachment length indicators ... 5
10.4 Radius indicator ... 5
10.5 Rope drum rotation indicator ... 5
10.6 Crane level indicator ... 6
10.7 Slew indicator ... 6
10.8 Additional mandatory indicators ... 6

11 Design factor ... **7**

12 Inspection ... **7**

13 Maintenance ... **7**

14 Operating instructions and operator training ... **7**

15 Event recorder ... **7**

16 Data logger ... **8**

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 96, *Cranes*, Subcommittee SC 6, *Mobile cranes*.

This second edition cancels and replaces the first edition (ISO 10245-2:1994), which has been technically revised.

ISO 10245 consists of the following parts under the general title *Cranes — Limiting and indicating devices*:

— *Part 1: General*

— *Part 2: Mobile cranes*

— *Part 3: Tower cranes*

— *Part 4: Jib cranes*

— *Part 5: Overhead travelling and portal bridge cranes*

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Cranes — Limiting and indicating devices —

Part 2: Mobile cranes

1 Scope

This part of ISO 10245 specifies the requirements for devices which limit and/or indicate the loads, motions, performance, and environment of mobile cranes. The general requirements for limiting and indicating devices for cranes are given in ISO 10245-1.

This part of ISO 10245 applies to all mobile cranes as defined in ISO 4306-2. See 4.1 and also 4.2.

NOTE Some basic machine types within this scope are convertible for use in excavating work and other applications not considered to be lifting service. The requirements of this part of ISO 10245 are applicable to such machines only when used as lifting cranes.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2374:1983, *Lifting appliances — Range of maximum capacities for basic models*

ISO 4306-1:2007, *Cranes — Vocabulary — Part 1: General*

ISO 4306-2, *Cranes — Vocabulary — Part 2: Mobile cranes*

ISO 9926-1:1990, *Cranes — Training of drivers — Part 1: General*

ISO 9927-1, *Cranes — Inspections — Part 1: General*

ISO 10245-1:2008, *Cranes — Limiting and indicating devices — Part 1: General*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 10245-1 and the following apply.

3.1
rated capacity
load that the crane is designed to lift for a given operating condition, e.g. the configuration or position of the load

[SOURCE: ISO 10245-1:2008, 3.12]

3.2
anti-two-block device
device which, when activated, disengages all functions whose movement can cause any part of the lower load block or hook assembly to come into contact with the upper load block, boom or jib point sheave assembly(s)

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