

INTERNATIONAL STANDARD

ISO
10245-2

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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
ISO 10245-2:1994(E)

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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 10245-2 was prepared by Technical Committee ISO/TC 96, *Cranes*, Subcommittee SC 6, *Mobile cranes*.

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

1.1 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.

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

NOTE 1 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 only to such machines when used as lifting cranes.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 10245. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 10245 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

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

ISO 4306-1:1990, *Cranes — Vocabulary — Part 1: General*.

ISO 4306-2:—¹⁾, *Cranes — Vocabulary — Part 2: Mobile cranes*.

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

ISO 10245-1:—²⁾, *Cranes — Limiting and indicating devices — Part 1: General*.

3 Definitions

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

3.1 rated capacity: Maximum gross load (ISO 4306-1, 6.1.7) that applies to a given crane condition.

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(ies).

3.3 two-block damage prevention device: Device which, when activated, reduces the wire rope pull caused by contact of the lower load block or hook

1) To be published. (Revision of ISO 4306-2:1985)

2) To be published.