
**Cranes — Limiting and indicating
devices —**

**Part 1:
General**

*Appareils de levage à charge suspendue — Limiteurs et indicateurs —
Partie 1: Généralités*



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Published in Switzerland

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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.

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The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 10245-1 was prepared by Technical Committee ISO/TC 96, *Cranes*, Subcommittee SC 8, *Jib cranes*.

This second edition cancels and replaces the first edition (ISO 10245-1:1994), 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*

Cranes — Limiting and indicating devices —

Part 1: General

1 Scope

This part of ISO 10245 specifies general requirements for limiting and indicating devices for cranes that are applicable to loads and motions, performance and environment. These devices restrict operation and/or provide the operator or other persons with operational information.

The specific requirements for the various types of crane are given in the other parts of ISO 10245.

It is emphasized that the safe and reliable operation of limiters and indicators depends upon regular inspection and maintenance.

2 Normative references

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

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

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4306-1 and the following apply.

3.1

anti-collision device

device used to prevent cranes or parts of cranes from colliding with a fixed load-lifting attachment when they are manoeuvred simultaneously in the same space

NOTE A working space limiter may perform the function of an anti-collision device in certain applications.

3.2

configuration

combination and position of structural members, counterweights, support or outrigger position, hook block reeving and similar items assembled, positioned and erected in accordance with manufacturers' instructions and ready for operation

3.3

continuous warning

warning visually by means of either a flashing or uninterrupted light, or audibly by either a pulsing or uninterrupted sound, that persists throughout the time during which the condition being indicated exists