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Third edition  
2021-03

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# Cranes — Limiting and indicating devices —

## Part 1: General

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



Reference number  
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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](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 96, *Cranes*, Subcommittee SC 8, *Jib cranes*.

This third edition cancels and replaces the second edition (ISO 10245-1:2008), which has been technically revised.

The main changes compared to the previous edition are as follows:

- this document has been updated to be consistent with ISO 10245-2, ISO 10245-3, ISO 10245-4 and ISO 10245-5;
- [Clause 3](#) has been revised to be consistent with ISO 4306-1;
- the definition and requirements of event recorder and data logger have been included in this document, consistently with the requirements of ISO 10245-2, ISO 10245-3, ISO 10245-4 and ISO 10245-5;
- [Formula \(1\)](#) has been revised to be consistent with ISO 8686-1 for indirect and direct acting limiters;
- the term “rated capacity limiter” has been supplemented to include the term “load limiter” for clarification.

A list of all parts in the ISO 10245 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).