

INTERNATIONAL STANDARD

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Cranes — Safe use —

Part 1: General

*Appareils de levage à charge suspendue — Sécurité d'emploi —
Partie 1: Généralités*



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Foreword

ISO (the International Organization for Standardization) is a world-wide 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 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 12480-1 was prepared by Technical Committee ISO/TC 96, *Cranes*.

ISO 12480 consists of the following parts, under the general title *Cranes - Safe use*:

- Part 1* *General*
- Part 2* *Mobile cranes*
- Part 3* *Tower cranes*
- Part 4* *Jib cranes*
- Part 5* *Overhead travelling cranes and portal bridge cranes*

Annex C forms an integral part of this part of ISO 12478. Annexes A, B and D are for information only.

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Cranes — Safe use —

Part 1: General

1 SCOPE

This part of ISO 12480 establishes required practices for the safe use of cranes, including safe systems of work, management, planning, selection, erection and dismantling, operation and maintenance of cranes and the selection of drivers, slingers and signallers.

It does not cover manually operated (non-powered) cranes, cranes in which at least one of its motions is manually operated and cranes mounted on water-borne vessels, except in those circumstances where a land-based crane is temporarily affixed to a vessel.

2. NORMATIVE REFERENCES

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 12480. 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 12480 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 4306-1: 1990	<i>Cranes - Vocabulary - Part 1: General</i>
ISO 4306-2: 1994	<i>Cranes - Vocabulary - Part 2: Mobile cranes</i>
ISO 4306-3: 1991	<i>Cranes - Vocabulary - Part 3: Tower cranes</i>
ISO 4309: 1990	<i>Cranes - Wire ropes - Code of practice for examination and discard</i>
ISO 4310: 1981	<i>Cranes - Test code procedures</i>
ISO 7363: 1986	<i>Cranes and lifting appliances - Technical characteristics and acceptance documents</i>
ISO 9926-1: 1990	<i>Cranes - Training of drivers</i>
ISO 9927-1: 1994	<i>Cranes - Inspections - Part 1: General</i>
ISO 9928-1: 1990	<i>Cranes - Crane driving manual - Part 1: General</i>
ISO 9942-1:1994	<i>Cranes - Information labels - Part 1: General</i>
ISO 12478-1: — ¹	<i>Cranes - Maintenance manual - Part 1: General</i>
ISO 12482-1: 1995	<i>Cranes - Condition monitoring - Part 1: General</i>
ISO 10973: 1995	<i>Cranes - Spare parts manual</i>

3 DEFINITIONS

For the purposes of this part of ISO 12480, the definitions given in ISO 4306-1, ISO 4306-2 and ISO 4306-3 and the following definitions, apply.

3.1 competent person: Person who has the necessary practical and theoretical knowledge and the necessary experience of the crane and equipment used in the lifting operation to carry out the function satisfactorily.

3.2 crane driver (operator): Person who is operating the crane for the purpose of positioning loads or operating for erection of the crane.

NOTE — For mobile cranes, the term "operator" is often used instead, and the term "driver" is then used to refer to that person who operates only those controls which moves the crane from place to place.

¹ To be published.