

INTERNATIONAL
STANDARD

ISO
11660-2

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**Cranes — Access, guards and
restraints —**

Part 2:
Mobile cranes

*Appareils de levage à charge suspendue — Moyens d'accès, dispositifs
de protection et de retenue —*

Partie 2: Grues mobiles



Reference number
ISO 11660-2:1994(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 11660-2 was prepared by Technical Committee ISO/TC 96, *Cranes*, Subcommittee SC 6, *Mobile cranes*.

ISO 11660 consists of the following parts, under the general title *Cranes — Access, guards and restraints*:

- *Part 1: General*
- *Part 2: Mobile cranes*
- *Part 3: Tower cranes*
- *Part 4: Jib cranes*

Annexes A and B of this part of ISO 11660 are for information only.

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Cranes — Access, guards and restraints —

Part 2: Mobile cranes

1 Scope

This part of ISO 11660 specifies criteria for steps, stairways, ladders, walkways, platforms, handrails, handholds, guardrails and entrance openings which permit access to and from operator, inspection or maintenance platforms on mobile cranes as defined in ISO 4306-2 and parked in accordance with the manufacturer's instruction. It also presents requirements for guards and restraints as related to moving parts.

This part of ISO 11660 is also based on and partly in harmony with ISO 2860 and ISO 2867. For mobile cranes fitted with a tower ISO 11660-3 and ISO 11660-4 should be consulted.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 11660. 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 11660 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.

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

2) To be published.

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

ISO 11660-1:—²⁾, *Cranes — Access, guards and restraints — Part 1: General.*

3 General

3.1 The requirements given in this part of ISO 11660 are based on one person, unladen, using the access system by himself, i.e. no other coworkers are on the access system, and on the 95th to 5th percentile human physical dimensions as presented in ISO 3411.

It shall also be recognized that some machine designs may require modifications or variances from the requirements presented in this part of ISO 11660.

4 Definitions

For the purposes of this part of ISO 11660, the following definitions apply.

4.1 access system: System provided on a machine for entrance to and exit from an operator, inspection or maintenance platform from and to the ground.