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

**Part 3:
Tower cranes**

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

Partie 3: Grues à tour



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Foreword

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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 11660-3 was prepared by Technical Committee ISO/TC 96, *Cranes*, Subcommittee SC 7, *Tower cranes*.

This second edition cancels and replaces the first edition (ISO 11660-3:1999), which has been technically revised.

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 5: Bridge and gantry cranes*

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Cranes — Access, guards and restraints —

Part 3: Tower cranes

1 Scope

This part of ISO 11660 establishes the particular requirements relating to access, guards and restraints for tower cranes as defined in ISO 4306-3.

ISO 11660-1 establishes the general requirements for access to control stations and other areas of cranes as defined in ISO 4306-1, during normal operations, maintenance, inspection, erection and dismantling. It also deals with guards and restraints in general, concerning the protection of persons on or near the crane with regard to moving parts, falling objects or live parts.

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 11660-1:2008, *Cranes — Access, guards and restraints — Part 1: General*

ISO 13852, *Safety of machinery — Safety distances to prevent danger zones being reached by the upper limbs*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 11660-1 apply.

4 Access

4.1 General

All control stations and all other parts of the crane requiring inspection or regular maintenance shall be accessible by means of stairs, ladders, gangways and landings.

In order to carry out erection or dismantling operations, inspection, routine maintenance or replacement of parts located above the ground, the tower crane, including the jib, shall be provided with support equipment such as hand rails, hand grips, platforms, safety equipment, etc. to ensure the safety of personnel and to allow them access to places of work.