
Cranes — Safe use —

**Part 3:
Tower cranes**

*Appareils de levage à charge suspendue — Sécurité d'emploi —
Partie 3: Grues à tour*

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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).

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).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on 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 the following URL: www.iso.org/iso/foreword.html

The committee responsible for this document is ISO/TC 96, *Cranes*, Subcommittee SC 7, *Tower cranes*.

This second edition cancels and replaces the first edition (ISO 12480-3:2005), of which it constitutes a minor revision. Notably, “driver” has been replaced by “operator” throughout the text.

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

- *Part 1: General*
- *Part 3: Tower cranes*

Cranes — Safe use —

Part 3: Tower cranes

1 Scope

This part of ISO 12480 establishes required practices for the safe use of tower cranes. It is intended to be used in conjunction with ISO 12480-1.

Subjects covered include safe systems of work, management, planning, selection, erection and dismantling, special base, operation and maintenance of cranes and the selection of operators, slingers and signallers.

It does not cover manually (non-powered) operated cranes, or cranes in which at least one of its motions is manually operated.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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*

ISO 4306-3, *Cranes — Vocabulary — Part 3: Tower cranes*

ISO 9926-1, *Cranes — Training of drivers — Part 1: General*

ISO 9926-3, *Cranes — Training of operators — Part 3: Tower cranes*

ISO 9927-1, *Cranes — Inspections — Part 1: General*

ISO 9927-3:2005, *Cranes — Inspections — Part 3: Tower cranes*

ISO 11660-3, *Cranes — Access, guards and restraints — Part 3: Tower cranes*

ISO 12480-1:1997, *Cranes — Safe use — Part 1: General*

ISO 12482, *Cranes — Monitoring for crane design working period*

3 Terms and definitions

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

3.1

working space limiter

device to prevent a fixed load lifting attachment and/or parts of the crane from entering a prohibited space

Note 1 to entry: Working space limitation is often achieved by a combination of different limiters.