
Cranes — Inspections —

Part 3: Tower cranes

*Appareils de levage à charge suspendue — Vérifications —
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 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.

This document was prepared by Technical Committee ISO/TC 96, *Cranes*, SC 7, *Tower cranes*.

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.

This second edition cancels and replaces the first edition (ISO 9927-3:2005), which has been technically revised. The main changes compared to the previous edition are as follows:

- in [6.4](#) and [7.4](#), information on results inspection has been updated;
- in [7.3](#), requirements have been revised.

This document is intended to be used in conjunction with ISO 9927-1.

A list of all parts in the ISO 9927 series can be found on the ISO website.

Cranes — Inspections —

Part 3: Tower cranes

1 Scope

This document specifies the regular inspections to be carried out on tower cranes.

It does not cover inspection prior to the first use of a tower crane.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 4309, *Cranes — Wire ropes — Care and maintenance, inspection and discard*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at <https://www.iso.org/obp>

— IEC Electropedia: available at <http://www.electropedia.org/>

4 General

In order to ensure safe operation of tower cranes, their proper working and operational condition shall be maintained. Therefore, all cranes need to undergo regular inspections. This ensures that deviations from safe conditions are detected and can be rectified. The inspections shall be arranged.

The regular inspections are:

- daily inspections;
- frequent inspections;
- periodic inspections; and
- thorough inspections.

Inspections (periodicity, content, persons in charge, results and reports) shall be in accordance with [Clauses 5](#) to [9](#) and Table A.1 which provides an overview of the inspections.

NOTE The manufacturer can give inspection instructions that differ from those of this document. In this case, the manufacturer's instructions are applicable.