



International
Standard

ISO 9374-1

Cranes — Information to be provided —

Part 1: General

*Appareils de levage à charge suspendue — Informations à
fournir —*

Partie 1: Généralités

**Second edition
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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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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 document 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).

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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*, Subcommittee SC 8, *Jib cranes*.

This second edition cancels and replaces the first edition (ISO 9374-1:1989), which has been technically revised.

The main changes are as follows:

- [Clause 3](#), Terms and definitions, has been added;
- in [Clause 4](#), information to be provided by the purchaser has been revised;
- in [5.2](#), the dimensions information to be provided by the manufacturer has been added.

A list of all parts in the ISO 9374 series can be found on the ISO website.

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.

Introduction

ISO 9374 consists of the following parts, under the general title "Cranes — Information to be provided":

- Part 1: General;
- Part 4: Jib cranes;
- Part 5: Overhead travelling cranes and portal bridge cranes.

The ISO 9374 series does not include specific parts for mobile cranes and tower cranes.

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Cranes — Information to be provided —

Part 1: General

1 Scope

This document specifies the information to be provided by the purchaser and the manufacturer so that the most suitable crane can be provided for the duty requirements and service conditions.

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 4306-1, *Cranes — Vocabulary — Part 1: General*

ISO 7363, *Cranes and lifting appliances — Technical characteristics and acceptance documents*

3 Terms and definitions

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

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

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Information to be provided by the purchaser

When enquiring or ordering a crane, the purchaser shall provide sufficient information for the crane manufacturer to specify and supply a crane for the application. The information shall include, but is not limited to:

- a) type of cranes required;
- b) short description of the working process to be done by the crane, functions and purposes to be achieved;
- c) sufficient information to enable the crane manufacturer to establish the suitable classification of the crane as a whole and for each mechanism (e.g. as specified in the ISO 4301 series);
- d) details of where the crane is to be used or installed, with details of any special or hazardous conditions, environmental conditions, and any dimensional and clearance restrictions;
- e) limitations of crane supporting ground or other elements, e.g. structure, rails and foundation;
- f) details of load(s) to be lifted and lifting attachment(s);
- g) power supply and power transmission principle and main parameters, such as electric drive, engine drive, pneumatic drive, hydraulic drive, power supply voltage, frequency, etc.;

- h) operator control stations, such as cabin control, cableless control, pendant control, remote control, etc. and possible automatic operation;
- i) The operating parameters of the crane, such as the rated capacity of the crane, load-lifting height, load-lowering depth, etc.;
- j) relevant regulations and standards to be implemented;
- k) any other special requirements of the purchaser.

5 Information to be provided by the manufacturer

5.1 Technical information

When delivering the crane, the manufacturer shall provide technical information as appropriate for the type of crane concerned, the information shall include, but is not limited to:

- a) technical information and test certificates for the crane to facilitate its installation, testing and use in accordance with ISO 7363;
- b) an instruction manual which shall contain, where applicable, the following information:
 - 1) a description of the product;
 - 2) instructions for the crane user and crane operator;
 - 3) installation and disassembly;
 - 4) safe use and correct operating methods;
 - 5) transportation and storage;
 - 6) needed inspection and maintenance;
 - 7) repair and modification of the crane;
 - 8) common failures and correction methods, etc.;
- c) masses and any other wheel loads, buffer loads, storm lock loads, etc. and interface load details of the crane.

5.2 Dimensions

The manufacturer should provide general arrangement drawings, with dimensions, showing that the purchaser's requirements, including dimensional or clearance restrictions, are met.