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Ergonomic design for the safety of machinery —

Part 1: Principles for determining the dimensions required for openings for whole-body access into machinery

Conception ergonomique pour la sécurité des machines —

*Partie 1: Principes de détermination des dimensions requises pour les
ouvertures destinées au passage de l'ensemble du corps dans les
machines*



Reference number
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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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 part of ISO 15534 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 15534-1 was prepared by Technical Committee ISO/TC 159, *Ergonomics*, Subcommittee SC 3, *Anthropometry and biomechanics*.

ISO 15534 consists of the following parts, under the general title *Ergonomic design for the safety of machinery*:

- *Part 1: Principles for determining the dimensions required for openings for whole-body access into machinery*
- *Part 2: Principles for determining the dimensions required for access openings*
- *Part 3: Anthropometric data*

Annex A forms a normative part of this part of ISO 15534. Annex B is for information only.

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Introduction

This part of ISO 15534 is one of several ergonomics standards for the safety of machinery.

EN 614-1 ([2] in the Bibliography) describes the principles designers should adopt in order to take account of ergonomic factors. This part of ISO 15534 describes how these principles should be applied to the design of openings which will allow whole-body access.

This part of ISO 15534 is based on EN 547-1:1996 that was prepared as a harmonized standard conforming with the Machinery Directive and associated European Free Trade Association (EFTA) regulations.