# International Standard 4190/2

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# Passenger lifts and service lifts — Part 2 : Lifts of class IV

*Ascenseurs et monte-charge — Partie 2 : Ascenseurs de classe IV*

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## Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 4190/2 was developed by Technical Committee ISO/TC 178, *Lifts, escalators and passenger conveyors*, and was circulated to the member bodies in March 1981.

It has been approved by the member bodies of the following countries :

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# Passenger lifts and service lifts — Part 2 : Lifts of class IV



## 1 Scope and field of application

**1.1** This part of ISO 4190 lays down the dimensions necessary to permit the installation of lifts of class IV, as defined in clause 3, generally used in industry for the transport of goods.

**1.2** It deals more specifically with electric lifts. However, the horizontal dimensions of the wells specified for these lifts permit the installation of hydraulic lifts with the same car and door dimensions.

For the other characteristics, the manufacturers should be consulted.

**1.3** This part of ISO 4190 applies to new lift installations with a car with one entrance, to be installed in a new building. Where relevant, it may be used as a basis for an installation in an existing building.

## 2 Reference

ISO 4190/1, *Passenger lift installation — Part 1 : Lifts of classes I, II and III.*

## 3 Definitions

For the purposes of this part of ISO 4190, the definitions given in ISO 4190/1, from which the following definition is repeated as an *aide-memoire*, are applicable.

**lifts of class IV** : Lifts designed mainly for the transport of goods which are generally accompanied by persons.

## 4 Characteristics

Lifts of class IV recommended for current uses shall have the following characteristics :

— rated load (mass), in kilograms : 630 — 1 000 — 1 600 — 2 000

— rated speed, in metres per second : 0,40 — 0,63 — 1,00.

## 5 Dimensions

### 5.1 Car

See the table and figures 1 and 2.

### 5.2 Well

See the table and figures 1 and 2.

The lift well plan dimensions specified are the minimum clear plumb sizes. The architect[1], in agreement with the builder, shall ensure that adequate tolerances are added to the specified dimensions in the building design, so that these minimum plumb dimensions are satisfied when the work is finished. These dimensions only apply to lift installations in which the counterweight is guided by rigid metal guides.

In certain exceptional cases, the specified depths or widths may be insufficient when counterweight safety gear is provided.

1) Or any person assuming his functions.