
**Castors and wheels — Requirements
for castors for swivel chairs**

Roues et roulettes — Exigences pour roulettes pour sièges de bureaux

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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 110, *Industrial trucks*.

This second edition results from the reinstatement of ISO 22880:2004, which was withdrawn in 2014 and with which it is technically identical.

Introduction

The industry stakeholders have expressed the need for this important International Standard. Therefore, the interested parties agreed to republish the withdrawn document as a new edition.

In order to ensure that the International Standard will be actively used in the ISO member countries worldwide, procedures may be necessary to replace the existing national standards and technical regulations by the International Standard.

Only by these actions will there be the guarantee that products in accordance with International Standards can be shipped worldwide freely without any technical barriers.

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Castors and wheels — Requirements for castors for swivel chairs

1 Scope

This document specifies the technical requirements, the appropriate dimensions and the requirements for the testing of castors, with or without braking devices, which will normally be used on swivel chairs.

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 22878:2004, *Castors and wheels — Test methods and apparatus*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 22877 apply.

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

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

NOTE Symbols are given in ISO 22878:2004, Annex A.

4 Dimensions and classification

4.1 Characteristics

The characteristics of a castor are as follows:

- fixing system;
- castor type;
- dimensions.

4.2 Fixing system

The fixing system includes the stem and circlip, threaded stem and other fixing systems.

4.3 Castor type

4.3.1 General

Castors are classified into four types (H, W, C and U). These all apply to the castor designs illustrated in [Figure 1](#) and [Figure 2](#).