



BSI Standards Publication

Office furniture — Office chairs — Methods for the determination of dimensions

National foreword

This British Standard is the UK implementation of ISO 24496:2017. It supersedes PD ISO/TR 24496:2012 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee FW/0/3, Office Furniture.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Office furniture — Office chairs — Methods for the determination of dimensions

*Mobilier de bureau — Sièges de travail pour bureau — Méthodes
pour déterminer les dimensions*



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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).

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For an explanation on 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 the following URL: www.iso.org/iso/foreword.html.

This first edition cancels and replaces ISO/TR 24496:2012, which has been technically revised.

The committee responsible for this document is ISO/TC 136, *Furniture*.

Introduction

The test methods in this document are based on the manner in which anthropometric measurements are measured.

Therefore, in order to be able to relate the dimensions of office seating to the anthropometric dimensions, a theoretical reference seating posture has been adopted. This posture does, however, not automatically correspond to the ideal or optimum seating posture.

The reference seating posture is as follows:

- the sole of the foot placed on the floor;
- the foot forms an angle of approximately 90° with the lower leg;
- the lower leg is approximately vertical;
- the lower leg forms an angle of approximately 90° with the thigh;
- the thigh is almost horizontal;
- the thigh forms an angle of approximately 90° with the trunk;
- the trunk is erect.

Further information on the anthropometric dimensions can be found in ISO 7250-1, ISO 20685 and ISO 14738.

This document is meant to be used in conjunction with requirements documents. Such documents will specify which of the dimensions are to be measured. It is possible that not all of the measurements that can be taken by this document will be specified by the individual requirements document.

For the background and rationale for the provisions contained in this document, see [Annex C](#).

