

# Office furniture — Screens —

## Part 2: Mechanical safety requirements

The European Standard EN 1023-2:2000 has the status of a  
British Standard

ICS 97.140

## National foreword

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The UK participation in its preparation was entrusted to Technical Committee FW/3, Office furniture, which has the responsibility to:

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### Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 4, an inside back cover and a back cover.

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## Office furniture - Screens - Part 2: Mechanical safety requirements

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Mechanische Sicherheitsanforderungen

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## Foreword

This European Standard has been prepared by Technical Committee CEN/TC 207, Furniture, the Secretariat of which is held by IBN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2000, and conflicting national standards shall be withdrawn at the latest by November 2000.

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## Introduction

At the very beginning of this work, this text was intended to specify overall requirements of all safety aspects of office screens. However, standards for some aspects which will ultimately be referred to in this standard are not yet available. This edition of this standard has been issued to specify requirements where the related standards exist, and is therefore limited to mechanical safety requirements.

### 1 Scope

This part of EN 1023 specifies the mechanical safety requirements of office screens which are divided into general safety requirements and structural safety requirements.

### 2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 1023-3:2000, *Office furniture - Screens - Part 3: Test methods*

### 3 General safety requirements

The screen shall be so designed as to minimize a possible risk of injury to the user.

All parts of the screen with which the user comes into contact, during intended use, shall be so designed that physical injury and damage to property are avoided.

These requirements are met when:

- accessible corners are rounded with minimum 2 mm radius;
- the edges of the screen with which the user comes into contact are rounded with minimum 2 mm radius;
- all other edges are free from burrs and smoothed;
- the ends of hollow components are closed or capped;
- moveable and adjustable parts are so designed that injuries and inadvertent operation are avoided.

The manufacturer shall indicate in the instruction manual how to use the screen in combination with add-on elements, as well as the admissible load for each type of screen.

## **4 Structural safety requirements**

### **4.1 Test sequence**

The screen shall pass the tests described in EN 1023-3:2000 with the following test sequence:

- Non load bearing office screens: 6.1
- Load bearing office screens: 6.2, 6.3, 6.4

### **4.2 Requirements**

At the end of the tests, the screen shall remain safe and fulfil its functions.

These requirements are fulfilled when:

- the stability tests specified in 6.1 or 6.2 of EN 1023-3:2000 are carried out, the screen shall not overturn;
- the dislodgement test specified in 6.3 of EN 1023-3:2000 is carried out, no component shall become dislodged and there shall be no structural failure;
- the strength test specified in 6.4 of EN 1023-3:2000 is carried out, the stability of the screen assembly, with and without the add-on elements, shall not be adversely affected nor shall there be any fracture of any member, joint or component or any deformation or loosening which will affect the safety or function of the screen combination.

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