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Safety of machinery - Guidance for the application of ergonomics standards in the design of machinery

I.S. EN 13861:2011

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English Version

Safety of machinery - Guidance for the application of ergonomics standards in the design of machinery

Sécurité des machines - Guide pour l'application des normes relatives à l'ergonomie dans la conception des machines

Sicherheit von Maschinen - Leitfaden für die Anwendung von Ergonomie-Normen bei der Gestaltung von Maschinen

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Foreword

This document (EN 13861:2011) has been prepared by Technical Committee CEN/TC 122 “Ergonomics”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by April 2012, and conflicting national standards shall be withdrawn at the latest by April 2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13861:2002.

This document is intended to provide guidance for standardisers and manufacturers seeking to deal with the ergonomic requirements defined in EN ISO 12100:2010, 6.2.8, 6.3.2 and 5.3.2.

During the development of this document the Technical Committee has referred to the recommendations made within CEN/CENELEC Guide 6 to address the specific needs of older persons and persons with disabilities.

Annex A is normative; Annexes B, C and D are informative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

The designer of machinery is under an obligation to assess the risks during all phases of the life cycle of the machinery (see EN ISO 12100:2010, Clause 4). This includes knowledge and experience of the design, use, incidents, accidents and harm.

This European Standard elaborates EN ISO 12100:2010, Annex B as far as ergonomics are concerned. This standard refers to European and International ergonomics Standards in the various relevant fields.

The standards for ergonomic design of machinery, as referred to in this document, can help to avoid or reduce numerous hazards and risks, as assessed at the design stage, whilst considering the intended use, the expected use and the foreseeable misuse of the machinery.

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