



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN 510:2019

Specification for protective clothing for use where there is a risk of entanglement with moving parts

Festlegungen für Schutzkleidungen für
Bereiche, in denen ein Risiko des
Verfangens in beweglichen Teilen besteht

Spécification pour l'habillement de
protection destiné à être utilisé en cas de
risque de happement par des pièces de
machines en mouvement



National Foreword

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NORME EUROPÉENNE
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English Version

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This European Standard was approved by CEN on 23 September 2019.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN 510:2019) has been prepared by Technical Committee CEN/TC 162 “Protective clothing including hand and arm protection and lifejackets”, 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of an identical text or by endorsement, at the latest by May 2020, and conflicting national standards shall be withdrawn at the latest by May 2020.

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

This document supersedes EN 510:1993.

This document has been prepared under a standardization request given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Regulation.

For relationship with EU Regulation, see informative Annex ZA, which is an integral part of this document.

The most technical significant changes in this document in comparison to the previous edition are listed in Annex B.

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

This document applies to specific garments to be worn when the risk of entanglement cannot be effectively controlled by physically safeguarding moving parts of machines.

1 Scope

This document specifies design requirements of protective garments that minimize the risk of its entanglement or drawing-in by moving parts when the wearer is working at or near hazardous moving machines or devices, complementary to the general requirements as stated in EN ISO 13688.

This document does not include protective clothing against injuries by special moving machine parts for which specific standards exist, e.g. protective clothing for user of chainsaws (EN ISO 11393).

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.

EN ISO 13688:2013, *Protective clothing - General requirements (ISO 13688:2013)*

3 Terms and definitions

No terms and definitions are listed in this document.

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>

4 Requirements

4.1 General

The requirements of EN ISO 13688:2013 regarding innocuousness (4.2), comfort (4.4), ageing (5) apply.

The design requirements in 4.2 shall be checked by visual and manual inspection of the garment and if required, by testing certain elements of the garment.

4.2 Design

4.2.1 Basic design requirements

4.2.1.1 General

The design requirements are complementary to subclause 4.3 of EN ISO 13688:2013.

The design of the garment shall comply with the following principles:

- a) a covering of any other garment
- b) a close fit
- c) a smooth outer surface of the garment.