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BS EN ISO 12312-1:2013

Incorporating corrigendum October 2013



BSI Standards Publication

Eye and face protection — Sunglasses and related eyewear

Part 1: Sunglasses for general use

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This British Standard is the UK implementation of EN ISO 12312-1:2013. It is identical to ISO 12312-1:2013. Together with BS EN ISO 12311:2013, it supersedes BS EN 1836:2005 which is withdrawn.

The specification for filters for direct observation of the sun will be EN ISO 12312-2, which is in the course of preparation.

The UK participation in its preparation was entrusted by Technical Committee PH/2, Eye protection, to Subcommittee PH/2/1, Sunglasses.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 September 2013.

Amendments/corrigenda issued since publication

| Date | Text affected |
|------------------|--|
| 30 November 2013 | Implementation of CEN/CENELEC correction notice September 2013: supersession details changed |

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Supersedes EN 1836:2005+A1:2007

English Version

Eye and face protection - Sunglasses and related eyewear - Part 1: Sunglasses for general use (ISO 12312-1:2013)

Protection des yeux et du visage - Lunettes de soleil et articles de lunetterie associés - Partie 1: Lunettes de soleil pour usage général (ISO 12312-1:2013)

Augen- und Gesichtsschutz - Sonnenbrillen und ähnlicher Augenschutz - Teil 1: Sonnenbrillen für den allgemeinen Gebrauch (ISO 12312-1:2013)

This European Standard was approved by CEN on 30 June 2013.

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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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Foreword

This document (EN ISO 12312-1:2013) has been prepared by Technical Committee ISO/TC 94 "Personal safety - Protective clothing and equipment" in collaboration with Technical Committee CEN/TC 85 "Eye protective equipment" the secretariat of which is held by AFNOR.

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 February 2014, and conflicting national standards shall be withdrawn at the latest by February 2014.

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 1836:2005+A1:2007.

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

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

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 12312-1:2013 has been approved by CEN as EN ISO 12312-1:2013 without any modification.

Annex ZA
(informative)
Relationship between this European Standard and the Essential Requirements of EU Directive 89/686/EEC Personal protective equipment

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide a means of conforming to Essential Requirements of the New Approach Directive 89/686/EEC – Personal Protective Equipment.

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

Table ZA.1 — Correspondence between this International Standard and Directive 89/686/EEC

| Clause(s)/sub-clause(s) of this International Standard | Essential Requirements (ERs) of Directive 89/686/EEC | Qualifying remarks/Notes |
|--|---|--|
| 11 | 1.1.2.1. Highest level of protection possible | |
| 5.1, 5.2, 5.3.1, 5.3.4 | 1.1.2.2. Classes of protection appropriate to different levels of risk | |
| 9 | 1.2.1. Absence of risks and other 'inherent' nuisance factors | Ignitability of materials |
| 4.3 | 1.2.1.1. Suitable constituent materials | This standard doesn't address essential requirement 1.2.1.1 with regard to the specific case of nickel release by metal parts of spectacle frames in contact with the skin. Suitable requirements and test methods for this parameter can be found in EN ISO 12870:2012, clause 4.2.3. The requirement in that clause (i.e. 0,5 µg/cm ² /week) is the requirement set forth by Directive 94/27/EEC. |
| 4.1 | 1.2.1.2. Satisfactory surface condition of all PPE parts in contact with the user | |
| 4.2, 5.3.2, 5.3.3, 5.3.5.2.8 | 1.2.1.3. Maximum permissible user impediment | |
| 11.1 | 1.3.1. Adaptation of PPE to user morphology | |
| 7.1, 7.2, 8 | 1.3.2. Lightness and design strength | |
| 12 | 1.4. Information supplied by the manufacturer | |
| 6, 11 | 2.3. PPE for the face, eyes and | |