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**BSI Standards Publication**

## **Eye and face protection for sports use**

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Part 1: Requirements for downhill skiing and snowboarding goggles

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## National foreword

This British Standard is the UK implementation of EN ISO 18527-1:2022. It is identical to ISO 18527-1:2021. It supersedes BS EN 174:2001, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PH/2/1, Sunglasses and Sports Vision.

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

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For the Great Britain market (England, Scotland and Wales), if UK Government has designated this publication for conformity with UKCA marking (or similar) legislation, it may contain an additional National Annex. Where such a National Annex exists, it shows the correlation between this publication and the relevant UK legislation. If there is no National Annex of this kind, the relevant Annex ZA or ZZ in the body of the European text will indicate the relationship to UK regulation applicable in Great Britain. References to EU legislation may need to be read in accordance with the UK designation and the applicable UK law. Further information on designated standards can be found at [www.bsigroup.com/standardsandregulation](http://www.bsigroup.com/standardsandregulation).

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UK Government is responsible for legislation. For information on legislation and policies relating to that legislation, consult the relevant pages of [www.gov.uk](http://www.gov.uk).

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Published by BSI Standards Limited 2022

ISBN 978 0 580 92675 4

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ICS 13.340.20; 97.220.20

**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 31 July 2022.

**Amendments/corrigenda issued since publication**

Date	Text affected
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EUROPÄISCHE NORM

May 2022

ICS 13.340.20; 97.220.20

Supersedes EN 174:2001

English Version

## Eye and face protection for sports use - Part 1: Requirements for downhill skiing and snowboarding goggles (ISO 18527-1:2021)

Protection des yeux et du visage à usage sportif - Partie  
1: Exigences relatives aux lunettes de ski alpin et de  
surf des neiges (ISO 18527-1:2021)

Augen- und Gesichtsschutz für sportliche  
Anwendungen - Teil 1: Anforderungen an Abfahrtski-  
und Snowboardbrillen (ISO 18527-1:2021)

This European Standard was approved by CEN on 29 February 2020.

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, 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 United Kingdom.



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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (EN ISO 18527-1:2022) has been prepared by Technical Committee ISO/TC 94 "Personal safety -- Personal protective 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 November 2022, and conflicting national standards shall be withdrawn at the latest by May 2025.

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 174:2001.

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(s) / Regulation(s).

For the relationship with EU Directive(s) / Regulation(s) 2016/425 see informative Annex ZA, which is an integral part of this document.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

The following referenced documents are indispensable for the application of this document. For undated references, the latest edition of the referenced document (including any amendments) applies. For dated references, only the edition cited applies. However, for any use of this document 'within the meaning of Annex ZA, the user should always check that any referenced document has not been superseded and that its relevant contents can still be considered the generally acknowledged state-of-art.

When an IEC or ISO standard is referred to in the ISO standard text, this shall be understood as a normative reference to the corresponding EN standard, if available, and otherwise to the dated version of the ISO or IEC standard, as listed below.

**NOTE** The way in which these referenced documents are cited in normative requirements determines the extent (in whole or in part) to which they apply.

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Undated normative references in the ISO standard	Clause(s) of the ISO standard	Equivalent dated standard	
		EN	ISO or IEC
ISO 4007	Clause 2 & 3	EN ISO 4007:2018	ISO 4007:2018
ISO 8980-5	Clause 2 & 14.3	EN ISO 8980-5:2005	ISO 8980-5:2005
ISO 11664-2	Clause 2, 5.1, 5.6.4 & 5.6.5	EN ISO 11664-2:2011	ISO 11664-2:2007
ISO 18526-1	Clause 2	EN ISO 18526-1:2020	ISO 18526-1:2020
ISO 18526-2	Clause 2	EN ISO 18526-2:2020	ISO 18526-2:2020
ISO 18526-3	Clause 2	EN ISO 18526-3 :2020	ISO 18526-3:2020
ISO 18526-4	Clause 2, 4.5 & 15.3	EN ISO 18526-4:2020	ISO 18526-4:2020
ISO 21987	Clause 2 & 7.5	EN ISO 21987:2017	ISO 21987:2017

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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

### Endorsement notice

The text of ISO 18527-1:2021 has been approved by CEN as EN ISO 18527-1:2022 without any modification.

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**Annex ZA**  
(informative)

**Relationship between this European Standard and the essential requirements of Regulation 2016/425 aimed to be covered**

This European Standard has been prepared under a Commission's standardization request M/571 to provide one voluntary means of conforming to requirements of Regulation 2016/425.

Once this standard is cited in the Official Journal of the European Union under that Regulation 2016/425 compliance with the normative 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 Regulation 2016/425 and associated EFTA regulations

**Table ZA.1 — Correspondence between this European Standard and Annex II of Regulation 2016/425 OJEU reference**

Essential Requirements of Regulation	Clause(s)/subclause(s) of this EN	Remarks/Notes
1.1.1 Ergonomics	4.1; 12	
1.1.2.1 Optimum level of protection	7; 9; 10 ; 11; 12; 13; 14	
1.1.2.2 Classes of protection appropriate to different levels of risk	5.2; 5.3	
1.2.1 Absence of risks and other 'inherent' nuisance factors	4.2; 4.4	
1.2.1.1 Suitable constituent materials	4.1	
1.2.1.2 Satisfactory surface condition of all PPE parts in contact with the user.	4.2; 4.5	
1.2.1.3 Maximum permissible user impediment	6; 7; 12	
1.3.1 Adaptation of PPE to user morphology	4.6	
1.3.2 Lightness and design strength	8; 9; 10	
1.3.3 Compatibility of different classes or types of PPE designed for simultaneous use	4.6	
1.4 Manufacturer's instructions and information	15	

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2.1 PPE incorporating adjustment systems	4.5	
2.3 PPE for the face, eyes and respiratory system	5.5; 6; 7; 14.2; 15.2	
2.9 PPE incorporating components which can be adjusted or removed by the use	4.2	
2.12 PPE bearing one or more identification markings or indicators directly or indirectly relating to health and safety	15.2	
2.14 "Multi risk" PPE	5; 8; 9; 10; 11; 14.1	
3.7.1 PPE constituent materials and other components	14.1	
3.9.1 Non-ionising radiation	5.2, 5.3, 5.4; 15.2	

**WARNING 1** — Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

**WARNING 2** — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

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