

भारतीय मानक मसौदा
आँख और चेहरे की सरक्ष — धूप का चश्मा और संबंधित
चश्मा

भाग 1 सामान्य उपयोग के लिए धूप का चश्मा

Draft Indian Standard

Eye and face protection — Sunglasses and related
eyewear

Part 1 Sunglasses for general use

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ICS 13.340.20

Occupational Safety and Health Sectional
Committee, CHD 08

Last date of comments: 06 August 2025

NATIONAL FOREWORD

(formal clauses to be added later)

This Standard is applicable to all afocal (plano power) sunglasses and clip-ons for general use, including road use and driving, intended for protection against solar radiation.

Recognizing the advantages of harmonizing with international standards, the Committee responsible for development of this standard decided to prepare this standard by identical adoption of ISO 12312-1 : 2022 'Eye and face protection — Sunglasses and related eyewear — Part 1: Sunglasses for general use'.

The other parts of this series are:

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| (Part 2) | Filters for direct observation of the sun |
| (Part 3) | Sunglasses for running, cycling and similar active lifestyles |

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions and terminologies are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'; and
- b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 8980-5, Ophthalmic optics — Uncut finished spectacle lenses — Part 5: Minimum requirements for spectacle lens surfaces claimed to be abrasion-resistant	IS/ISO 8980-5 : 2005 Ophthalmic optics — Uncut finished spectacle lenses: Part 5 Minimum requirements for spectacle lens surfaces claimed to be abrasion-resistant	Identical
ISO 12311 — Personal protective equipment — Test methods for sunglasses and related eyewear	IS XXXX : 20XX/ISO 12311 : 2023 Personal protective equipment — Test methods for sunglasses and related eyewear	Identical
ISO 18526-3 : 2020 Eye and face protection — Test methods — Part 3: Physical and mechanical properties	IS 7524 (Part 3) : 2021/ISO 18526-3 : 2020 Eye and face protection — Test methods: Part 3 Physical and mechanical properties	Identical with ISO 18526-3 : 2020
ISO 18526-4 : 2020 Eye and face protection — Test methods — Part 4: Headforms	IS 7524 (Part 4) : 2021/ISO 18526-4 : 2020 Eye and face protection — Test methods: Part 4 Headforms	Identical ISO 18526-4 : 2020

The Committee has reviewed the provisions of the following International Standard referred in this adopted standard and has decided that it is acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO 4007	Personal protective equipment — Eye and face protection — Vocabulary
ISO 11664-2	Colorimetry — Part 2 : CIE standard illuminants
ISO 18526-1 : 2020	Eye and face protection — Test methods — Part 1: Geometrical optical properties
ISO 18526-2 : 2020	Eye and face protection — Test methods — Part 2: Physical optical properties

In this adopted standard, reference appears to certain International Standards where the standard

atmospheric conditions to be observed are stipulated which are not applicable to tropical/subtropical countries. The applicable standard atmospheric conditions for Indian conditions are $(27 \pm 2) ^\circ\text{C}$ and (65 ± 5) percent relative humidity and shall be observed while using this standard.

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'.

'FOR COMPLETE TEXT OF THE DOCUMENT, KINDLY REFER ISO 12312-1 : 2022

Note: The technical content of the document has not been enclosed as these are identical with the corresponding ISO Standard. For obtaining the copy of the complete ISO Standard, please contact:

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