

**BUREAU OF INDIAN STANDARDS**

DRAFTS FOR COMMENTS ONLY

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*Draft Indian Standard*

**EYE AND FACE PROTECTION FOR OCCUPATIONAL USE  
PART 3 ADDITIONAL REQUIREMENTS FOR PROTECTORS USED DURING  
WELDING AND RELATED TECHNIQUES**

(ICS 13.340.20)

Occupational Safety and Health Sectional  
Committee, CHD 08

**Last Date for Comments : 01 July 2024**

Occupational Safety and Health Sectional Committee, CHD 08

**NATIONAL FOREWORD**

*(Formal clause to be added later)*

This document (Part 3) specifies additional material, design, performance and marking requirements for eye and face protectors designed to provide protection for the eyes and faces of persons against occupational hazards, such as optical radiation, impacts from flying particles and fragments, and hot solids during welding and related techniques. The other applicable requirements for welding protectors are given in IS 8521 (Part 1) : 2022.

This Indian Standard is published in three parts. The other parts of this series are:

Part 1 General Requirements

Part 2 Additional requirements for mesh protectors

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'
- b) Comma (,) has been used as a decimal marker in the International Standard, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, the 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:

<b><i>International Standards/documents</i></b>	<b><i>Corresponding Indian Standard</i></b>	<b><i>Degree of Equivalence</i></b>
ISO 16321-1:2021 Eye and face protection for occupational use — Part 1: General requirements	IS 8521 (Part 1) : 2022/ISO 16321-1 Eye and Face Protection for Occupational Use Part 1 General Requirements ( <i>second revision</i> )	Identical
ISO 18526-2:2020 Eye and face protection — Test methods — Part 2: Physical optical properties	IS 7524 (Part 2) : 2021/ISO 18526-2:2020 Eye and Face Protection — Test Methods Part 2 Physical Optical Properties ( <i>second revision</i> )	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
ISO 18526-4 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

In this adopted standard, the reference appears to certain International Standards for which Indian Standards do not exist. So, the technical committee has reviewed the provisions of the following International Standards/ documents referred in this adopted standard and has decided that they are acceptable for use in conjunction with this Standard:

<b><i>International Standards/ documents</i></b>	<b><i>Title</i></b>
ISO 4007	Personal protective equipment — Eye and face protection — Vocabulary

In this adopted standard, reference appears to certain International Standards/documents 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  $(27 \pm 2)$  °C and  $(65 \pm 5)$  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*)'.