

# REFERENCE GUIDE: SAFETY EYEWEAR

## OSHA REGULATION 1910.133

### PPE EYE & FACE REQUIREMENTS



At Honeywell Safety Products, makers of Uvex® safety eyewear, we understand that building a culture of safety is essential to maintaining a safe workplace. We're committed to helping you create a safe organization with educational resources and tools.

This reference guide will provide you with a better understanding of Occupational Health and Safety Administration (OSHA) regulations as they relate to PPE (Personal Protection Equipment) and safety eyewear.

OSHA Footnote References: [59 FR 16360, April 6, 1994; 59 FR 33910, July 1, 1994; 61 FR 9227, March 7, 1996; 61 FR 19547, May 2, 1996]

WARNING: This reference guide provides only an overview and is not intended to be used as a replacement for the specifications/standards shown. Honeywell Safety Products recommends all users of its products thoroughly read and understand the actual applicable specifications/standards when determining appropriate personal protection equipment to be used in a particular work environment.

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# GENERAL INFORMATION

Below is general information about the issuing body, the regulation itself as well as the most recent versions of the relevant regulations.

## OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA)

Governmental agency designed to assure comprehensive safety & health of America's workers.

Sets/Enforces protective regulations; provides technical/consultative training, outreach and education. OSHA and its state partners' principal activities include workplace inspections, plus technical and support personnel.

Most working individuals come under OSHA's jurisdiction (with some exceptions such as miners, transportation workers, many public employees, and the self-employed): 29 CFR 1910 - General Industry (all workplaces except the following); 29 CFR 1926 - Construction Industry; 29 CFR 1915 - Maritime Industry; 29 CFR 1928 - Agriculture Industry; 29 CFR 1918 - Longshoring Industry.

## CURRENT VERSIONS

OSHA Regulation 29 CFR 1910.132  
PPE General Requirements (Updated 2007)

OSHA Regulation 29 CFR 1910.133  
PPE Eye & Face Requirements (Updated 1996)

# OUTLINE

## 1910.133 (a) GENERAL REQUIREMENTS

1910.133 (a) (1) Hazards-General

1910.133 (a) (2) Hazards-Flying Object

1910.133 (a) (3) Prescription Lenses

1910.133 (a) (4) Markings

1910.133 (a) (5) Filter Lenses

## 1910.133 (b) CRITERIA FOR PROTECTIVE EYE AND FACE DEVICES

1910.133 (b) (1-2) ANSI Standard Compliance

# REFERENCE GUIDE: SAFETY EYEWEAR - OSHA REGULATION 1910.133

## BRIEF EXCERPT

1910.133 (a) (1) Hazards-General

**Use protection when exposed to hazards**

- Flying particles, molten metal, liquid chemicals, acids or caustic liquids, chemical gases or vapors, or potentially injurious light radiation.

1910.133 (a) (2) Hazards-Flying Object

**Use side shield when exposed to hazards**

- Flying objects

1910.133 (a) (3) Prescription Lenses

**Prescription lens wearers require protection**

1910.133 (a) (4) Markings

**Marked with manufacturer identification**

1910.133 (a) (5) Filter Lenses

**Filter lens appropriate for work done**

1910.133 (b) (1-2) ANSI Standard Compliance

**Complies with standard**

- Post-July 5, 1994:  
Shall comply with ANSI Z87.1-1989
- Pre-July 5, 1994:  
Shall comply with ANSI Z87.1-1968

**ANSI Z87.1-2003 is the most current ANSI standard and supersedes above standards.**

## DETAILED OVERVIEW

1910.133 (a) (1) Hazards-General

The employer shall ensure that each affected employee uses appropriate eye or face protection when exposed to eye or face hazards from flying particles, molten metal, liquid chemicals, acids or caustic liquids, chemical gases or vapors, or potentially injurious light radiation.

1910.133 (a) (2) Hazards-Flying Object

The employer shall ensure that each affected employee uses eye protection that provides side protection when there is a hazard from flying objects. Detachable side protectors (e.g. clip-on or slide-on side shields) meeting the pertinent requirements of this section are acceptable.

1910.133 (a) (3) Prescription Lenses

The employer shall ensure that each affected employee who wears prescription lenses while engaged in operations that involve eye hazards wears eye protection that incorporates the prescription in its design, or wears eye protection that can be worn over the prescription lenses without disturbing the proper position of the prescription lenses or the protective lenses.

1910.133 (a) (4) Markings

Eye and face PPE shall be distinctly marked to facilitate identification of the manufacturer.

1910.133 (a) (5) Filter Lenses

The employer shall ensure that each affected employee uses equipment with filter lenses that have a shade number appropriate for the work being performed for protection from injurious light radiation. A listing of appropriate shade numbers for various operations is shown in the standard.

1910.133 (b) (1) ANSI Standard Compliance

Protective eye and face devices purchased after July 5, 1994 shall comply with ANSI Z87.1-1989, "American National Standard Practice for Occupational and Educational Eye and Face Protection," which is incorporated by reference as specified in Sec.1910.6.

1910.133 (b) (2) ANSI Standard Compliance

Eye and face protective devices purchased before July 5, 1994 shall comply with the ANSI "USA Standard for Occupational and Educational Eye and Face Protection," Z87.1-1968, which is incorporated by reference as specified in Sec. 1910.6, or shall be demonstrated by the employer to be equally effective.