

CSA Z94.3-15

Eye and Face Protectors



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In December 2015, CSA Group issued approval for CSA Z94.3-15, Eye and Face Protectors. This Standard was prepared by the Technical Committee on Eye and Face Protection, under the jurisdiction of the Strategic Steering Committee on Occupational Health and Safety, and has been formally approved by the Technical Committee.

What is CSA Z94.3-15?

CSA Z94.3 Standard applies to eye and face protectors for all occupational and educational operations involving hazards to the eyes or face. This standard defines the test methods and provides guidance on selection care and use of eye and face protectors. The standard addresses the following:

- Eye and face protective device classification
- Test methods and criteria for each classification
- Marking and user information

Why was a new revision developed?

The standard is subject to review every five years from date of publication. As a result, this revision supersedes previous editions published in 2007 and 2002 under the same title and in 1999, 1992, 1988, 1982 and 1969 under the title *Industrial Eye and Face Protectors*.

What updates have been made to CSA Z94.3-15?

1 Addition of Hazard Type I (Lasers) and Type J (Arc Flash) (Clauses 4, 8.6, 8.7, 9.3.6 and 10.5)

The hazard and provision for each additional hazard has been added to the standard. Recommended protectors for the additional hazards can be found in Annex A along with the remaining hazard types identified in clause 4.

2 Revised Optical Requirements (Clause 12.6)

This revision applies to non-prescription reading plano eyewear in which the test points have been increased to include a measurement of 10mm above and below the pupil.

3 Revised Headform Requirement (Clauses 12.2.1, 12.11.1 and 12.13)

The headform required for testing must be a medium sized headform compliant with EN168 and protectors must be mounted for testing as would be worn by the user.

4 Addition of Hi-Vex Material (Table 5)

This matrix is intended for use in determining minimum thickness requirements of prescription safety eyewear.

5 Refined Ignition and Flame Resistance Requirements (Clauses 6.2 and 12.3)

The requirements of these tests apply to the entire surface of the protector and in the case of a small component, the sample protector cannot ignite or continue to burn when removed from the flame source.

6 Clarified Points of Impact for Faceshields and Welding Protectors (Clause 12.2.2)

This test is intended to assess the resistance to a single impact on any point on the component. There should only be one impact per sample protector.

7 Addition of Annex F

This section provides visual examples of lens performance as defined by the impact test requirements.

The new Standard and Product Compliance

CSA Z94.3-15 does not require users to discontinue using products labeled as compliant with the CSA Z94.3-07 Standard. However, if your occupation requires compliance with new optional certifications, older product will not be marked and may not be compliant.

Conclusion

Worker safety is always the highest job-site priority. Eye and Face protection is an essential element in providing workers with protection from impact hazards, liquid splash, debris and electrical hazards. A Standard-compliant, properly marked eye and face protector should be worn in all situations where eye and face hazards exist.

A copy of CSA Z94.3-15 can be purchased from CSA Group Online Store at shop.csa.ca or by calling toll-free 1-800-463-6272 or 416-747-4044.