

# PERSONAL PROTECTIVE EQUIPMENT: EYE PROTECTION

Eye protection can help prevent accidents that can lead to serious injuries, including blindness, caused by a variety of hazards.

Some hazards include flying particles (such as those present when cutting, chipping, drilling, grinding, brushing, and blowing with compressed air), molten metal (torch cutting, welding, brazing), liquid chemicals (mixing, cleaning, measuring), acids or caustic liquids (applying cleaners, filling batteries), chemical gases or vapors (cleaning, mixing, spraying, heating) or potentially injurious light radiation (welding, cutting, brazing, lasers)

## KNOW WHAT EYE PROTECTION YOU NEED

- Types of eye protection
- Approved CSA-certified eye protection
- Fit and Care



Use only certified CSA  
Z94.3 or ANSI/ISEA Z87.1  
eye or facewear products.



BC Forest Safety

# PERSONAL PROTECTIVE EQUIPMENT: EYE PROTECTION



## TYPES OF EYE PROTECTION

### Safety glasses

- Protect eyes from impact hazards (e.g., flying objects and particles).

### Goggles

- Direct ventilated goggles to protect against impact hazards
- Non-ventilated and indirect ventilated goggles to protect against impact hazards, chemical or liquid splashes and fine dusts.

### Welding Helmets

- Protects eye and face from radiation, weld splatter and impact hazards associated with certain activities (e.g., welding, torch cutting, brazing).

### Hoods

- Protects eye and face from impact hazards, dust, splashes and abrasive material. Hoods are also available to protect against non-ionizing radiation, high heat and electric arcs.

### Respirator facepieces

- Full-face respirators provide a seal or partial seal (e.g., loose-fitting hood or helmet) around the perimeter of the face.

## APPROVED CSA-CERTIFIED EYE PROTECTION

**Lenses:** CSA-certified eye and face protectors must meet the criteria for impact resistance as outlined in the standard.

**Markings:** The manufacturer or supplier certification mark must be present on all approved safety lenses, frames (front and temple), removable side shields and other parts of the glasses, goggles or helmets. Products that are tested and approved by CSA will bear the CSA certification mark.

**Frames:** Safety frames are stronger than street-wear frames and are often heat resistant. They are also designed to prevent lenses from being pushed into the eyes.

## FIT AND CARE

- When wearing safety eyewear, make sure it fits properly, covering from the eyebrow to the cheekbone and wrapping around the sides of the face.
- Ensure a comfortable fit over the temples and ears for an unobstructed field of view.
- Clean your devices regularly and follow the manufacturer's instructions.
- Avoid rough handling that can scratch lenses.
- Store your devices in a clean, dry place, and replace damaged devices immediately.
- Use only identical parts from the original manufacturer for replacements, and do not modify the protective device.

If you are unsure whether or not your safety glasses or goggles are the right type, or if they are damaged or lost, tell your supervisor right away so they can take appropriate action.

## REMEMBER

You could be injured, or even lose your sight, in the blink of an eye!

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