

Eye and Face Protection

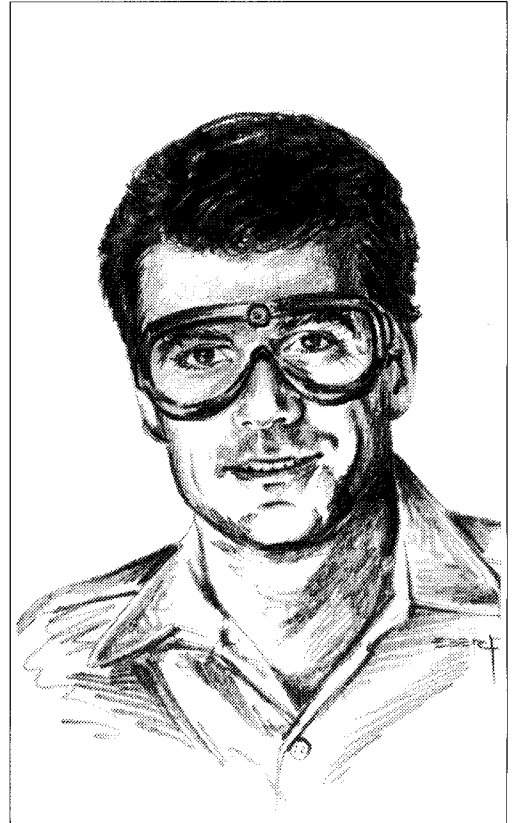
Safety Goggles

Safety goggles offer effective protection from impact, flying particles coming from many different directions, and chemical splashes—more than that offered by safety glasses. For this reason goggles have become widely used in industry. They should be worn during grinding, chipping, woodworking and riveting operations as well as in the lab to protect from chemical fumes and splashes. Specially designed goggles may be worn over your regular prescription glasses. (If you wear contact lenses, let your supervisor know. Your company may have a special policy regarding contacts, which may be hazardous to your eyes in some operations.)

Types of Safety Goggles

Goggles are surrounded by a shield that fits snugly on the face all the way around the eyes. Because of their snug fit, the shields of standard safety goggles have ventilation holes to keep them from fogging up. Some goggles have hooded or indirect ventilation openings to keep out thick hazardous dust, chemical splashes or molten materials. The following goggles are worn in special situations:

- ▶ Wire-screen goggles have a wire-mesh lens instead of a glass or plastic lens to provide the greatest ventilation while protecting from flying particles.
- ▶ Respirator goggles are designed with a high nose bridge so they can fit with a half-mask respirator.
- ▶ Rubber-frame goggles protect from fast-moving fine dust rather than major impact hazards.
- ▶ Visor goggles provide shading from overhead lights and extra protection from falling chips and particles.
- ▶ Splash goggles are not ventilated for the greatest possible protection against chemical splashes and hazardous mists and dusts. They must be specially coated to prevent fogging.
- ▶ Tinted goggles reduce glare from bright lights or molten materials.



Safety goggles are the most widely used type of eye protection. Goggles offer more protection from impact, flying particles and chemical splashes.

Choosing the Right Goggles


When choosing your goggles or other protective eyewear, make sure they are certified by the Safety Equipment Institute (SEI) to conform to American National Standards Institute eyewear standards. Select goggles that fit snugly but comfortably around the bridge of the nose, cheeks, temples and forehead. The strap around the base of the head should hold the goggles secure. If your work requires side vision for complete safety, keep

this in mind when you choose goggles, or consider using safety glasses instead.

Care and Use

No matter how well made your goggles are, they are going to interfere with your field of vision to some degree. Keeping your goggles as clean as possible according to the manufacturer's instructions will minimize this hazard. Avoid storing your

goggles with other things on top of them that could bend or distort them. Replace scratched or cracked lenses; scratches lessen the impact resistance of the goggles and impair your ability to see.

Safety goggles can protect you from many kinds of hazards, but only if you wear them. Make it a habit to wear your goggles on the job, and your eye-safety outlook will always be "20/20."  ©1991 PARLAY INTERNATIONAL 1200.029