

PERSONAL PROTECTIVE EQUIPMENT

It is important for welders to possess the right Personal Protective Equipment [PPE]. Welding PPE is designed to protect you from serious injuries. Protective equipment required for welding includes fire-resistant protective clothing, safety glasses, shoes, gloves, welding helmets and hearing protection. In some situations or welding conditions, a PAPR respirator is recommended.

1 SAFETY GLASSES
Even when wearing a welding helmet, Z871 approved safety glasses with side shields, or goggles, should always be worn to protect your eyes from flying particles.

2 PROTECTIVE CLOTHING
A flame retardant welding jacket helps to protect workers from arc flash, sparks or fire.
Pants should be made of 100% cotton: no synthetic material. Pants with cuffs should also be avoided.

3 SHOES
Leather boots with 6-8 inch ankle coverage and safety toe protection should always be worn on the job site. Metatarsal guards over the shoelaces can add additional protection from falling objects and sparks, further preventing possible injury to the foot.



6 WELDING HELMET & PROTECTIVE HEADWEAR
Protect yourself while welding with a welding helmet, which shields your eyes and face from sparks. Before beginning any project, it's crucial to select the appropriate lens shade which protects your eyes from harmful ultraviolet and infrared rays emitted by the arc.
Protective headwear protects against sparks, debris and sweat while working.

5 NOISE & HEARING PROTECTION
Earmuffs and earplugs are essential in preventing hearing loss and protecting the ears from metal sparks and airborne particles.

4 GLOVES
Protect your hands and wrists from burns, cuts, and scratches by wearing heavy, flame-resistant gloves. When choosing gloves, look for ones that offer varying levels of heat protection, abrasion resistance, and durability to suit a wide range of applications while maintaining comfort and dexterity.

DID YOU KNOW?

97,360
EYE INJURIES
occurred in a single year, highlighting the need for eye protection when training to weld.

391,450
HEAD INJURIES
were involved in the cases, leading to significant time off for recovery.

909,780
HAND INJURIES
were reported in one year, making it the most critical body part in need of protective gear.

302,750
FOOT INJURIES
occurred, stressing the importance of protective footwear while welding.

26,540
THERMAL AND ELECTRICAL BURNS
were recorded, underscoring the necessity of flame-retardant clothing during welding training.

Disclaimer: The injury statistics provided reflect data across all occupations