

Apprentice & Journeymen Training Trust Fund Of the Southern California Plumbing & Piping Industry

Bench Grinder Policy & Procedure

1. Proper Protective Equipment (P.P.E.) must be worn during all grinding operations or while working near grinding operations:
 - ANSI Z87 rated safety glasses with side shields are required.
 - Face shield.
 - Appropriate gloves. Refer to Figure 1-10 Welding Glove Recommendations.
 - Work attire – long pants, long-sleeved shirt, welding jackets, sleeves or leathers.
 - Work boots must be ankle high or greater.

Use of a Portable Ground Fault Circuit Interrupter (GFCI) is required for all power tools connecting to a temporary power/extension cord

In this order: (1) Electric Plug Receptacle, (2) GFCI, (3) Cord and (4) Tool

2. Grinder, personal or provided, shall be inspected daily at start of shift:
 - No frays to power cord.
 - Ground prong intact.
 - Bench grinder is mounted and secured to stable work surface.
 - Power switch in working order.
 - No cracks or defects to housing.
 - Guards in place.
 - Wheels inspected for correct rating, defects and are properly attached.

Grinder must be unplugged while performing maintenance or changing wheels

3. When grinding:
 - Tungsten will be held by mechanical means, such as tungsten holder or drill motor. **NEVER** held by hand.
 - Grinder must be operated with guards in place.
 - While not in use, grinders must be turned off.
 - **NEVER** grind in the direction of flammables, combustibles, equipment or others.
 - Back splash, weld screen or fire blanket must be utilized.
4. Housekeeping:
 - Work clean – all scrap material, grinding dust and debris will be removed as produced and put in appropriate storage containers.
 - All tools, equipment, power cords, etc. must be kept out of paths of travel.
 - **NEVER** use grinder or other power tools in wet conditions.