

Standard Operating Procedure- Angle Grinder

PPE:



Safety glasses must be worn at all times in work areas.



Long and loose hair must be contained.



Appropriate footwear with substantial uppers must be worn.



Close fitting/protective clothing must be worn.



Rings and jewellery must not be worn.



Hearing protection must be worn when using this machine.

Potential Hazards:

- Movement of work piece.
- Inhalation of fumes and dust particles.
- Burns from hot materials.
- Electrocution from power faults, faulty equipment or incorrect use.
- Eye injury from loose debris.
- Hearing damage caused by noise of machine.

Pre Operational Safety Checks:

- Ensure angle grinder is tested and tagged. Inspect the power cord, extension lead, plugs, sockets and power outlet for damage.
- Ensure worker is trained and competent in using an angle grinder.
- Ensure work area is safe and suitable.
- Ensure all efforts are taken so far as reasonably practicable to keep power lead off slipway floor and away from water.
- Ensure all other workers are aware the angle grinder will be in use.
- Examine work piece for any areas that may cause damage to the grinding disc or injury to the operator and measures are taken to control risk.
- Ensure the work piece is supported and secure.
- Gloves are not to be worn.

Operational Safety Checks:

- Ensure all other persons are clear of the immediate work area.
- Keep all body parts clear of the grinding wheel.
- Keep power cord clear of grinding wheel.
- Do not switch off angle grinder whilst under load, except in an emergency.
- Allow angle grinder to reach operating speed before applying to work piece.
- Keep electrical cord clear of water, grease, oil, machines and sources of heat.
- Be aware of flying sparks. Hold grinder so that sparks fly away from you, other people and flammable materials.

- Do not leave the angle grinder running and only use the angle grinder hand held.
- Do not touch work piece immediately after grinding, as it may be hot.

House Keeping:

- Avoid trip hazards & prevent damage to electrical cords.
- Do not walk on, wheel objects over, or drop materials/tools on flexible electrical cords.
- Clean bench and work area & place all waste material in bin.
- Any faults with machine recorded and communicated with the rest of the workers.
- Return angle grinder & rolled up extension leads to storage area.
- Never carry machine by power lead.