

Safe Operating Procedure

Angle Grinder



PERSONAL SAFETY



PRE OPERATIONAL SAFETY CHECKS

- Use only in designated grinding area – erect screens if necessary;
- Examine the power cord, extension lead, plugs, sockets and power outlet for damage;
- Ensure the grinding disc; guard & attachments (incl. handle) are secure and correctly fitted;
- Inspect the grinding disc for damage. Do not use damaged grinding disc;
- Always inspect the work piece to ensure that there aren't any items which might damage the grinding wheel or cause injury to the operator;
- Secure and support the work piece using clamps, bench vices, etc.;
- Check that disc is correct size and rating.

POTENTIAL HAZARDS

- Hot Work – sparks may cause a fire **do not use during Fire Bans**
- Moving and rotating parts;
- Movement of work piece;
- Inhalation of fumes and dust particles;
- Burns from hot materials or friction;
- Electrocutation from power faults, faulty equipment or incorrect use;
- Disc disintegration.

OPERATIONAL SAFETY PRACTICES (CONTROLS)

- Ensure all other personnel are clear of the immediate work area;
- Keep fingers and hands & power cords clear of the grinding disc;
- Never make adjustments while the angle grinder is running;
- Do not switch off the angle grinder when it is under load, except in an emergency;
- Allow grinder to reach operating speed before applying to work & increase load gradually;
- Do not lift or drag angle grinders by the cord;
- Keep flexible electrical cords clear of oil, grease, machines and sources of heat;
- Hold grinder so that sparks fly away from you, personnel and flammable materials;
- Do not leave the angle grinder running & only use the grinder when hand held;
- Do not touch the work piece immediately after grinding as it may be extremely hot.
- **Keep a Fire extinguisher on hand for emergency use.**

HOUSEKEEPING

- Switch off machine and disconnect from power source;
- Leave the machine and surrounding area in a safe, clean and tidy state;
- Avoid trip hazards & prevent damage to electrical cord/s;
- Do not walk on, wheel objects over, or drop materials / tools on flexible electrical cords.