

Risk Element

- Fire.
- Exposure to dust/fumes.
- Eye injury.
- Burn injury.
- Danger to third parties.
- Entanglement/Ejection.
- Cuts/Abrasions/Amputation.
- Disc/wheel disintegration.
- Noise.
- Vibration.
- Electrocutation.

Precautions to Eliminate/Reduce Risk

- Do not leave the machine until the wheel stops freewheeling, do not forcibly stop.
- Check grinding wheels/discs are in good condition according to manufacturer's instructions.
- Check portable dust/fume extraction is working.
- Do not use machine if defects found, report defects to Manager/Supervisor.
- Removal of combustibles.
- Familiarise location of fire extinguishers.
- Use respiratory protective equipment.
- Check guarding is set correctly.
- Wear eye protection, gloves, issued protective work wear, safety footwear, ear protection.
- HAVS monitoring/keep hands warm.

Safe Working Method

- Use equipment as directed in the manufacturer's instructions. If you are unsure, ask a Manager/Supervisor.
- Before commencing work, a visual check of the equipment to be made. (Casing, cables, guards, bench grinders secured).
- Grinding disks not to exceed RPM of machine used and of the correct type for the material worked.
- Tool rest set correctly.
- Ensure work area is clear of any combustibles, e.g. oil, plastic, paper, etc.
- On completion of work, check surrounding area for smouldering. Clean area, PPE and any vision guards.
- If you experience any symptoms of vibration white finger, sensory nerve damage or pain from joints or muscles when using the grinding wheel. Stop work and report symptoms to your Manager/Supervisor.
- Trained & competent personnel to use equipment.

Action in an Emergency

- Switch off and isolate abrasive wheel equipment.
- **FIRE:** Raise the alarm, Attempt to extinguish fire if appropriate.
- Remove injured person(s) from danger area (if without risk).
- Render first aid & report to a Manager/Supervisor.