

# STANDARD OPERATING PROCEDURE

## ANGLE GRINDER – LARGE

**ONLY TRAINED PERSONNEL  
AUTHORISED TO OPERATE THIS EQUIPMENT**



### Identified Hazards

- Electricity
- Abrasive, Rotating & Sharp Parts
- Kickback
- Eye Injuries
- Noise
- Disintegrating Blades
- Dust & Fumes
- Hot Sparks & Burns

### Personal Protective Equipment Requirements to Operate



**Other | Additional PPE Requirements:** Restrain long and loose hair, remove / contain loose jewellery

### Operating Instructions

#### Pre-Operational Safety Checks

- Consider whether an angle grinder is actually the best tool to perform the task. (Is there another way?)
- Inspect the power tool for obvious damage, including lead, plug end and guarding, and that a current electrical safety tag is fitted.
- Check that the disc, guards and handle are secure and that the safety guard covers half of the disc.
- Check that the grinder has an automatic cut-off or “dead-mans” switch
- Ensure the correct type of disc is used - grinding discs for grinding and cutting discs for cutting.
- Ensure that the power supply is RCD protected.
- Ensure suitable & safe work area provided with adequate lighting, free from congestion & tripping hazards.
- Check for and remove / make safe any potential combustible material or relocate the work area.
- **NEVER** operate the grinder from a ladder or similar. Only operate from a suitable working platform.
- Electrically isolate from the power supply if unsafe, making repairs or adjustments, or servicing.

#### Operational Safety Checks

- **NEVER** operate a faulty piece of equipment. Report any faults, problems or hazards **IMMEDIATELY**.
- Do not remove the guarding.
- Ensure required PPE available and worn.
- Do not plug in until all adjustments are complete.
- Do not fit a grinding or cutting disc that has been dropped, damaged or become wet at any stage.
- Re-position the handle to the appropriate side of the grinder subject to the particular task and whether the operator is left or right handed. Use a “D” or “Loop” handle for improved control and stability.
- Keep fingers, hands and power cord clear of the disc.
- Allow operating speed to be reached, then apply load gradually. Do not apply excessive force – this could cause the disc to disintegrate.
- Maintain complete control. Operate with both hands. Maintain proper & steady footing at all times.
- **BE AWARE OF THE POTENTIAL FOR VIOLENT KICK-BACK TO OCCUR, PARTICULARLY WHEN CUTTING.**
- Be aware of flying hot sparks. Hold the grinder so that any sparks fly away from you and anyone nearby, and away from any combustible materials.
- Before making any adjustments to the grinder, bring the machine to a complete standstill then disconnect from the power source.
- Turn off after use. Do not place the grinder down until the disc has completely stopped rotating.

**REFER TO THE MANUFACTURER’S OPERATIONAL MANUAL FOR FULL SAFETY REQUIREMENTS**