

PPE Required



General Safety Instructions

- Complete pre-start checklist
- Read Manufacturers Operation Manual
- Report any faults or damage to GRF Contracting Pty Ltd
- Do not wear loose clothing or jewellery
- Do not operate equipment near pedestrians or people
- Do not operate without the appropriate PPE as detailed
- Do not operate equipment under the influence of drugs or alcohol

General Engine Safety

- Beware of hot surfaces on engine & other parts

Operating Safety Instructions

- **Must** be checked, maintained, tested and tagged by a competent person
- **Ensure** this power tool has a suitable work area
- **Check** that the disc, guards and handle are secure and that the disc is not chipped or cracked
- Make sure the grinding wheel or saw has a *higher* maximum rated speed than the maximum motor speed of the tool. The majority of injuries result from catastrophic failure while the wheel is spinning at high speeds. If it is a new wheel, give it a quick test run. Spin it for 1 minute at maximum speed prior to cutting anything. Do not stand in front of the wheel during this test
- **Check** that the safety guard covers half of the disc
- **Check** for damage before use, switches, connections, power cables, plug, guards etc
- **Must** be earthed, except where double insulated, use with a Residual Current Device (RCD)
- **Do not** plug in until all adjustments have been made
- **Do not** fit a grinding disc that has been dropped, damaged or become wet at any stage
- **Ensure** your workpiece is firmly secured and supported
- **Keep** fingers, hands and power cord clear of the disc
- **Contain or restrain** long & loose hair AND **remove** exposed rings or jewellery
- **Be aware** of flying hot sparks. Hold the grinder so that any sparks fly away from you and anyone nearby and away from all flammable materials

Angle Grinders and Abrasive Saws



Risk Assessment

- Assess the immediate work area for any hazards
- Control or eliminate all the risks associated with the hazards
- Hazards to check for that may require risk control-
 - ☐ Overhead power lines
 - ☐ Digging
 - ☐ Confined space
 - ☐ Traffic & moving machinery
 - ☐ Stored energy – air, hydraulic, electricity, pressure
 - ☐ Working at height
 - ☐ Falling objects
 - ☐ High Voltage
 - ☐ Any stored energy
- **Allow** the grinder to reach operating speed then apply load gradually. Maintain constant pace to avoid uneven surfaces
- **Maintain** complete control. Always operate with both hands. **Maintain** a proper and steady footing at all times
- **Do not** apply excessive force – this could cause the disc to shatter
- **Avoid** prolonged use and high pressures. This could overheat the motor
- **Violent** kick-back can occur, particularly when cutting
- Leather gloves **must** be worn when handling hot metal
- **Turn off** after use. **Do not** place the grinder down until the disc has stopped rotating

Visually inspect the tool prior to using. Is the abrasive wheel chipped or cracked?

Make sure all guards and shields are in place and in good working order. Do not operate a grinder or saw that is missing guards or shields.

Grinding operations typically spray sparks within the work area. Check for combustibles within the area before beginning any work. Make sure to direct sparks away from yourself and others.

Consider the material you are cutting/grinding. Are there any exposure hazards with inhaling the fumes or dust of the material? Proper respiratory protection must be worn if there is a respiratory hazard.

Is it possible to engage the 'on' switch when setting the grinder on a table or is there a safety in place?

Always wear a face shield and safety glasses when using a grinder, as well as work gloves and hearing protection.

Make sure long hair is tied up, dangling jewelry is removed and baggy clothing is avoided. Entanglement is a major cause of injuries with grinders and abrasive saws.

Unplug the grinder before changing cutting heads.