






## Safe Tool Operation – Grinder

### KLINGE MINIMUM PPE REQUIREMENT TO BE WORN WHEN USING A GRINDER

	Face shield must be worn when using this power tool.		A safety helmet must be worn when wearing a face shield whilst buffing mating surfaces etc. on vehicles due to hang-up.
	Hearing protection must be worn at all times when using this power tool.		Hand protection must be worn at all times when using this power tool.
	Safety boots must be worn when using this power tool.		

### Pre-Operational Safety Checks

1. Use only in designated grinding areas.
2. Where applicable examine the power cord, extension lead, plugs, sockets and power outlet for damage. If an air grinder is being used, thoroughly inspect the connections and if a battery operated air grinder is being used, ensure the battery is fully charged and there are no cracks in the battery pack, terminals are clean etc.
3. Ensure that the grinding disc, wire buffer, flapper disc, guard and attachments (including handle) are secure and correctly fitted.
4. Inspect the grinding disc, wire buffer, flapper disc for damage. **Do not use if grinding disc is damaged.**
5. Always inspect the work piece to ensure that there aren't any items that might damage the grinding wheel, wire buffer or flapper disc or cause injury to the operator.
6. Secure and support the work piece by using clamps, bench vices etc. if required.

### Operational Safety Checks

1. Keep clothing, fingers and hands, power cords, airline clear of the grinding area.
2. Never make adjustments while the grinder is running.
3. Do not switch off the grinder when it is under load, except in an emergency.
4. Allow grinder to reach operating speed before applying to work piece & increase load gradually.
5. Maintain complete control. Always operate with both hands and change the handle to suite the person using the grinder (i.e. left or right handed).
6. Maintain a proper and steady foot position at all times.
7. Do not apply excessive force and avoid prolonged use.
8. Do not lift or drag grinders by the power cord or airline.
9. Kick back can occur and cause injury, particularly when cutting.
10. Keep flexible electrical cords or air lines clear of oil, grease, machines and sources of heat.
11. Be aware of flying sparks. Hold grinder so that sparks fly away from you, other people and flammable materials.

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12. Do not leave the grinder running & only use the grinder when it is gripped correctly.
13. Do not touch the work piece immediately after grinding operation as it may be extremely hot.
14. Turn off after use. Do not place the grinder down until the disc, wire buffer or flapper disc has stopped rotating.

## **Housekeeping**

1. Avoid trip hazards and prevent damage to electrical cord/s and airlines.
2. Do not walk on, wheel objects over, or drop materials / tools on flexible electrical cords, airlines.
3. Clean bench / work area and place all waste material in bin.
4. Return grinder to storage area
5. Roll away electrical cords and airlines.

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