

HAZARD / WORK ACTIVITY ASSESSED

## **Electric Tools**

Hazard (something with the potential to cause harm)	Risk	Who may be harmed					Control Measures		Risk rating after control				
	Severity	Probability	Risk	Operator	Employee	Visitor	Public	Sub-cont			Severity	Probability	Risk
Electricity – electric shock from equipment	2	2	4	x					Visual inspection of equipment to be carried out prior to works commencing. All extension cables to be fully extended to prevent overheating or fire. Any equipment found to be faulty must be switched off and reported immediately. Wherever possible equipment should operate at 110 volts or less. All hand tools should be earthed or double cabled. All electrical equipment will be subject to planned maintenance, which includes annual tests and inspections. RCD must be used when using mains voltage. Rubber soled safety boots and rubber gloves to be worn at all times when using electric tools.	2		1	2
Moving tool bits – damage to digits / body parts	4	2	8	х					All guards must be used and under no circumstances interfered with or removed.	4		1	4
Flying particles from the tool – damage to eyes	3	2	6	х	х	х			Impact resistant goggles to be worn when operating or working in the immediate workspace.	1		2	2
Flying dust from cooling fans – inhalation	2	3	6	x	х				Respiratory protection of the correct type must be worn when airborne dust is created. Assessment of material being cut, sawn or drilled must be made in order to establish nature of airborne dust.	1		3	3
Trailing electric cables – trip / fall	2	2	4	х	х	х			Leads and extension cables must not trail across walkways and should be routed along skirtings/buildings to prevent trips. All tools not in use should be stowed away and removed from walkways.	2		1	2
Noise – exposure to excessive noise levels	2	2	4	х	х	х			Ear defenders must be worn by the operator and anyone else in the immediate work area. Visitors instructed to avoid the area of work.	1		2	2
Power tool – vibration	2	2	4						The operator must check that:- the tool is suitable for the work intended and in the conditions it will be used in, is properly maintained to sustain its best vibration performance. Operator must be trained in the machines correct and safe use.	2		1	2



## SAFETY METHOD STATEMENT

- 1. 110 voltage tools with power supplied through an isolating centre tapped to earth should be used.
- 2. Where the use of mains voltage tools is unavoidable, use a residual current device (RCD) or an earth leakage circuit breaker (ELCB) protection device.
- 3. The supply voltage must be within the operating range as marked on the tool-plate.
- 4. Trailing cables should not be in the path of other workers.
- 5. Plugs and sockets should conform to BS 4343.
- 6. Tools should be either earthed of double-insulated.
- 7. Any double insulated tools used should be manufactured to BS 2754 and other tools to BS 2769.
- 8. Any transformers used should preferably be to BS3535 and be centre tapped to earth.
- 9. Temporary electrical repairs should not be allowed.
- 10. If adjustments or changes need to be made, tools should be disconnected from the mains supply.
- 11. Equipment should be inspected by the user before each period of use to ensure it is not damaged.
- 12. A system of regular planned maintenance and inspection by a competent person should be in place and a record kept of all maintenance.
- 13. ONLY AUGER ISSUE EQUIPMENT IS PERMITTED. USE OF NON-AUGER ISSUE EQUIPMENT IS A SERIOUS BREACH OF OUR HEALTH AND SAFETY POLICY.

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Severity			Probability	Risk Rating				
1	No Injury, property damage	1	Very Unlikely	Soucrity V Drobobility 1 to 5	Low	Y – acceptable risk, work can start		
2	Minor Injury	2	Unlikely	Severity X Probability = 1 to 5	LOW			
3	+3 Day Absence	3	Likely	Severily X Dishshilling 6 to 14	Mod	V or N moving of further consideration		
4	Major Injury	4	Very Likely	Severity A Probability = 0 t0 14	Med	7 OF M – may need further consideration		
5	Death	5	Virtually Certain	Severity X Probability = <b>15 to 25</b>	High	N – Unacceptable risk Do not start work		