



South London Makerspace Combi Drill

Hand held drilling of material and screw driving using battery powered Combi Drill into various materials such as plastic, wood, metal, ceramic and walls (inc: plasterboard, MDF, concrete or block work).

Personal Protective Equipment



Eye protection
must be worn



Safe Working Procedure

Before

- Perform a visual inspection of drill and any bits being used for physical damage.
- Tie back or remove loose clothing.
- Tie up long hair.
- Remove jewellery.

During

- Large drill bits, paddle bits, forstner bits, and hole saws require two handed operation incase the bit binds in the material.
- Wear eye protection if there is a risk of ejected material getting in your eyes, such as working above your head, or with your face close to the work.
- Keep hands away from rotating parts.

After

- If battery is low or depleted swap battery with a charged one.
- Do not touch the bit immediately after operation as it will be extremely hot.
- Put the tool away.
- Tidy up your working area.



Risk Assessment

Hazard	Who may be harmed?	Before Control Measures			Control Measures	After Control Measures		
		Severity	Likelihood	Score		Severity	Likelihood	Score
Entanglement in moving machinery	Operator	3	3	High	<ul style="list-style-type: none"> Loose clothing and long hair to be tied back. Jewellery to be removed. 	3	1	Low
Burns	Current and next operator	1	2	Medium	<ul style="list-style-type: none"> Drill bit to be left to cool after extended use. 	1	1	Low
Fire	People in the vicinity	2	2	Medium	<ul style="list-style-type: none"> Equipment is CE marked. 	2	1	Low
Broken wrist	Operator	3	3	High	<ul style="list-style-type: none"> Two handed operation needed when using large drill bit, paddle bit, forstner bits, or hole saws. 	3	2	Low
Ejected material in eyes	Operator	2	2	Medium	<ul style="list-style-type: none"> Safety goggles to be used. 	2	1	Low
Overall risk				Medium				Low



Matrix

		Likelihood				
		Very unlikely	Unlikely	May happen	Likely	Certain
Severity		1	2	3	4	5
Minor injury	1	Low	Low	Low	Medium	High
Significant injury (under 7 days)	2	Low	Medium	Medium	High	High
Serious injury (7 days or more)	3	Medium	Medium	High	High	Very High
Life changing injury	4	Medium	High	Very High	Very High	Very High
Fatality	5	High	Very High	Very High	Very High	Very High

Actions

Risk	Action
Low	No further action is required, however the activity should be reviewed regularly to ensure controls are effective.
Medium	All efforts should remade to reduce the risk as far as possible and the activity should be reviewed regularly to ensure controls are effective.
High	This activity should not be started / cease immediately until the risk level can be reduced.
Very High	This activity should not be started / cease immediately until the risk level can be reduced.