

Risk Assessment Guidance

Title

Pillar Drill

This risk assessment has been carried out for the pillar drill located within workshops. This document is a general risk assessment for the use of the Pillar Drill.

All safety signage should be displayed in this area and only operatives who have been trained are permitted to operate this equipment.

This risk assessment should be reviewed fully by users of pillar drill prior to use of such equipment for the first time and in the event that it is not sufficient to control the risk posed by the model in question then the user should report this to the supervisor.



Job Sequence	Hazard Identification	Controls
Conduct pre-operational checks	<p>Poor condition of the guard or chuck.</p> <p>Damage to the machine or guards.</p>	<p>A log of use must be kept for each pillar drill where deemed necessary by the manufacturer's instructions and serviced by a competent person as per the manufacturer's suggested intervals.</p> <p>Units must be visually inspected before each use and damaged machines reported to the workshop manager / supervisor. Damaged machines must not be used until they have been examined by a competent person.</p> <p>All pillar drills must be maintained in accordance with the manufacturer's instructions.</p>
Operation of the pillar drill	<p>Entanglement of hair or clothing in moving machinery</p> <p>Work piece or chuck key ejected from machine</p> <p>Drilling can cause damaging noise levels</p> <p>Dust from drilling can be inhaled</p> <p>Overheating of cutting bit can cause fire</p> <p>Ejection of chips/swarf into eyes</p>	<p>No loose clothing to be worn. No jewellery to be worn. Long hair to be tied back. Machine only to be used by members after training in its safe operation.</p> <p>Do not start the machine with the chuck key still inserted. Always clamp the workpiece securely to the work bed.</p> <p>When drilling for extended periods of time, wear ear defenders.</p> <p>Ensure that the extraction system is in good working order and that it is running before starting large drilling sessions.</p> <p>Select an appropriate cutting speed and bit for the material. Allow the bit to cool down between uses. Ensure there is an appropriate fire extinguisher in the work area.</p> <p>Ensure that the guard screen correctly shields the bit when drilling. Wear eye protection.</p>

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Work Environment	<p>General environment, ventilation and lighting levels</p> <p>Space to operate and handle materials safely.</p> <p>Housekeeping.</p>	<p>There must be sufficient light to see the piece being worked on clearly.</p> <p>There must be sufficient space around the unit in order to allow the operator a free range of movement.</p> <p>Ensure power cables are properly isolated from the moving blade.</p> <p>Ensure all control devices and in particular the emergency stop (if fitted) are within easy reach of the operator.</p> <p>Keep the floor around the unit free of oil and grease.</p>
Personal Protective Equipment	<p>Hands and fingers can contact material being worked</p> <p>Clothing/hair can become entangled</p> <p>Noise damage</p>	<p>Please ensure you wear the correct PPE when operating the pillar drill, lanyards/ID badges should be secured as well as loose clothing and long hair tied back.</p> <p>Eye protection conforming to at least BS. 2092 (general purpose) must be used.</p> <p>Depending on materials being worked and length of task hearing protection may be required; if you need to raise your voice to be heard then hearing protection should be used.</p>
First Aid		<p>Make sure you are aware of the first aid provisions in place.</p> <p>All accidents & near misses must be reported to your Supervisor</p>

All persons working with this equipment or within close vicinity must sign and show that they have read and understood the risk assessment guidance and that they will follow the above control measures set out whilst working.

Additional Guidance	COSHH Assessment	Method Statement	Other (Specify)
	As applicable	N/A	Only trained persons are allowed to operate this equipment.
Name			
Signed			Date