

## Jack Hammer Risk Assessment

### HAZARDS AND CONTROL MEASURES

Listed below are indicative hazards/risks and suggested control measures. They are by no means exhaustive lists. Add details of any other hazards/risks or additional controls you intend to implement.

Indicate the Control Measures adopted. Detail their implementation and any additional controls required.

| Hazards/Risks  | Hierarchy of Recommended Control Measures   | Yes | No | Details of how this will be implemented<br>( and any additional controls ) |
|--|---|-----|----|--|
| <p><b>Exposure to Rotating or Moving Parts:</b></p> <ul style="list-style-type: none"> <li><b>Entanglement &amp; Entrapment</b><br/>Could hair, clothing, ties, jewellery or other materials become entangled with moving parts of plant or materials in motion?</li> <li><b>Crushing &amp; Pinching</b><br/>Could anyone be crushed or pinched due to falling, uncontrolled or unexpected movement of plant or its load tipping or rolling over, or contact with moving parts during testing, inspection or maintenance?</li> <li><b>Cutting, Stabbing &amp; Puncturing</b><br/>Can anyone be cut, stabbed or punctured by coming into contact with moving plant or parts, or objects such as ejected work piece or waste?</li> </ul> | 1. Where possible, potentially hazardous tools including jackhammers are substituted or replaced with less hazardous alternatives.            |     |    |  |
|  | 2. All necessary guards & safety devices are in place protecting workers from all moving & rotating parts.                                    |     |    |  |
|  | 3. Staff & student training is provided to minimise exposure to these hazards & risks.  |     |    |  |
|  | 4. Safe operating procedures (SOP's) are available and clearly displayed.   |     |    |  |
|  | 5. Warning "Danger" tags (or similar) are affixed to all jackhammers under repair or maintenance preventing workers from using the equipment. |     |    |  |
|  | 6. "Safe Working Zones" are clearly defined in all work spaces where jackhammers are used.  |     |    |  |
|  | 7. Operators are required to remove all jewellery, tuck in loose clothing & tie back long hair.   |     |    |  |
|  | 8. All approved personal protective equipment (PPE) is used where required.   |     |    |  |

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|--|---|-----|----|--|
| <p><b>Slips, Trips, Falls &amp; Abrasions:</b></p> <p>Can anyone using the plant or in the vicinity of the plant, slip, trip or fall due to the working environment or other factors?<br/>e.g. Poor housekeeping, dust on floors, slippery or uneven work surfaces, power cables across work areas causing injuries &amp; abrasions?</p>   | <ol style="list-style-type: none"> <li>1. Slip resistant flooring is encouraged in workspaces. Regular checks are made for unsafe wear &amp; damage. Inspections are made for any power leads or air hoses, etc.</li> <li>2. Procedures are in place (where possible) for the disposal of all waste materials around all workspaces where all jackhammer activities are to be performed.</li> <li>3. Staff training is provided to minimise exposure to these hazards.</li> </ol>   |     |    |  |
| <p><b>Environmental:</b></p> <ul style="list-style-type: none"> <li>• <b>Noise</b><br/>Is it likely that the normal operation of this plant will produce excessive noise levels?</li> <li>• <b>Dust, Fumes &amp; Vapours</b><br/>Is it likely there will be airborne dust particles, toxic fumes or volatile vapours produced &amp; therefore be present in the workspace?</li> <li>• <b>Vibration</b><br/>Is the normal operation of this plant likely to create severe or excess mechanical vibration that could be transferable to the operator?</li> </ul> | <ol style="list-style-type: none"> <li>1. All portable jackhammers are regularly maintained to help minimise the risk of exposures to these hazards.</li> <li>2. All portable power tool maintenance is documented.</li> <li>3. Exposure to noisy ITD workshop environments is monitored &amp; evaluated regularly for all workers.</li> <li>4. Engineering controls (or physical changes) such as mandatory machinery guarding or any protective safety screens &amp; enclosures are in place in all workspaces &amp; all in good working condition.</li> <li>5. Staff &amp; student training is provided to minimise exposure to these hazards.</li> <li>6. All approved personal protective equipment (PPE) is used where required.</li> </ol> |     |    |  |
| <p><b>Electrical:</b></p> <p>Can the operator be injured by electrical shock due to working near or contacting with damaged or poorly maintained live electrical</p>   | <ol style="list-style-type: none"> <li>1. Visually checks are made of all portable jackhammers, both cordless &amp; powered, their electrical switches, plugs, power leads &amp; battery chargers, etc.</li> <li>2. Electrical safety inspections, testing &amp; tagging, etc. are completed regularly as per guidelines for all portable power tools.</li> </ol>   |     |    |  |

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|---|---|-----|----|--|
| conductors such as power outlets, extension leads, safety switches, starters & isolators or casual water on the floor near plant & machinery?   | 3. Warning "Danger" tags (or similar) are affixed to all portable jackhammers under repair or maintenance preventing workers from using them.                   |     |    |  |
| <p><b>Exposure:</b></p> <ul style="list-style-type: none"> <li><b>Friction</b></li> </ul> <p>Is the plant likely to generate heat by friction? Could the plant operator accidentally come into contact with moving materials or machinery components resulting in friction burns to the skin, particularly hands?</p>   | 1. Portable jackhammers are regularly maintained to help minimise the risk of exposures to these hazards.   |     |    |  |
|   | 2. All portable power tools maintenance is documented.  |     |    |  |
|   | 3. Staff & student training is provided to minimise exposure to these hazards.  |     |    |  |
|   | 4. All approved personal protective equipment (PPE) is used where required.   |     |    |  |
| <p><b>Ergonomics &amp; Manual Handling:</b></p> <p>Can the plant be safely operated, in a suitable location, providing clear &amp; unobstructed access?</p> <p>Poorly designed work stations often necessitate teachers &amp; students performing manual tasks involving heavy lifting &amp; lowering, pushing, pulling or carrying, etc. Such tasks then contribute to a range of musculoskeletal sprains &amp; strains for workers.</p> | 1. Where possible, practical work benches are planned & adjusted to a comfortable work height thus minimizing any unsafe or excessively strenuous manual tasks. |     |    |  |
|   | 2. Sufficient workspace is provided in all practical classrooms to help ensure unobstructed, safe operation.  |     |    |  |
|   | 3. Staff training is provided with regard to manual handling techniques and procedures to minimise exposure to these hazards.                                   |     |    |  |

| <b>Other Hazards/Risks</b> | <b>Additional Control Measures</b><br><i>These would relate to the specific operator needs, locations and conditions in which you are conducting your activity.</i> |
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