

# Risk Assessment

Download link: [#210 - Pillar Drills - 260819.pdf](#)

| # | Identify Hazards | Risks | Who maybe Harmed | Severity | Control Measures | Likelihood | Risk Rating |
|---|------------------|-------|------------------|----------|------------------|------------|-------------|
|---|------------------|-------|------------------|----------|------------------|------------|-------------|

|   |             |                |      |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |     |
|---|-------------|----------------|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 1 | Electricity | Electric shock | User | High | <p>All electrical equipment should be checked for electrical safety prior to use. Equipment must not be used unless they have a PAT test label on. It is the users responsibility to do a visual check of the equipment. If any defects are found (i.e. cracked casing, defect in lead etc) the equipment is not to be used, to be quarantined, safety officer informed, and a defect label attached. Induction covers inspection of equipment before usage</p> | Low | Med |
|---|-------------|----------------|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|

|   |                            |                                      |                 |             |                                                                                                                                                                                                                     |            |            |
|---|----------------------------|--------------------------------------|-----------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|
| 2 | Misuse of equipment        | Damage to user or equipment          | User, Bystander | <b>High</b> | Members are inducted into the correct use of the equipment and understand associated risks. Members found to be deliberately misusing equipment may have their use of the machine restricted or revoked altogether. | <b>Low</b> | <b>Med</b> |
| 3 | Contact with Drill, Cutter | Laceration injury<br>Piercing Injury | User            | <b>High</b> | Do not put hands into a position where they can come in contact with the drill or cutter. Induction covers correct usage of equipment                                                                               | <b>Low</b> | <b>Med</b> |

|   |                                             |                                                                |                    |             |                                                                                                                                                                                                                                                                                                                                                                                                       |            |            |
|---|---------------------------------------------|----------------------------------------------------------------|--------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|
| 4 | Gloves,<br>Loose<br>Clothing,<br>Loose Hair | Drawing in<br>(being<br>pulled into<br>the drill or<br>cutter) | User               | <b>High</b> | User of the<br>pillar drill<br>should not<br>wear<br>gloves, ties,<br>scarves, or<br>loose<br>clothing<br>that could<br>get pulled<br>into the<br>blade.<br>Induction<br>covers<br>correct<br>attire.                                                                                                                                                                                                 | <b>Low</b> | <b>Med</b> |
| 5 | Dust                                        | Inhalation,<br>Fire                                            | User,<br>Bystander | <b>Med</b>  | Dust<br>extraction<br>should be<br>used as<br>appropriate<br><br>The pillar<br>drill should<br>be cleaned<br>down on<br>completion<br>of use, this<br>should<br>include<br>around the<br>machine<br>and floor.<br>A respirator<br>or mask<br>should be<br>used as<br>required<br>whilst<br>operating<br>this tool.<br>Induction<br>covers<br>location of<br>Respirator<br>and<br>cleaning<br>process. | <b>Low</b> | <b>Med</b> |

|   |              |                           |                 |             |                                                                                                                                                                                                                                                                       |            |            |
|---|--------------|---------------------------|-----------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|
| 6 | Drill Bit    | Drill jamming or breaking | User, Bystander | <b>High</b> | Use the correct cutting tool for the material being drilled, use cooling appropriate to the material. Do not force the drill or cutter through the material this will cause the tool to blunt and overheat. Induction covers correct cutting tool and material usage. | <b>Low</b> | <b>Med</b> |
| 7 | Noise        | Hearing Damage            | User, Bystander | <b>Med</b>  | Ear protection is advised. Induction covers location of Ear Protection                                                                                                                                                                                                | <b>Low</b> | <b>Low</b> |
| 8 | Flying swarf | Eye Damage                | User, Bystander | <b>High</b> | Eye protection must be worn. Induction covers location of Eye Protection                                                                                                                                                                                              | <b>Low</b> | <b>Med</b> |

|    |                                  |                             |                 |      |                                                                                                                                                                                              |     |     |
|----|----------------------------------|-----------------------------|-----------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 9  | Unintended rotation of workpiece | Drawing In, Crushing Injury | User            | High | The piece being drilled should be clamped down using appropriate clamping devices or held in a machine vice. Induction covers location and correct usage of clamping devices.                | Med | Med |
| 10 | Swarf                            | Laceration Injury           | User            | Med  | Eye protection must be worn at all times. Swarf must only be removed when the cutter is no longer rotating using a metal scraper Under no circumstances should swarf be removed using hands. | Low | Med |
| 11 | Other Members                    | Distraction                 | User, Bystander | High |                                                                                                                                                                                              | Low | Med |

Revision #3

Created 2026-08-19 18:52:20 UTC by Neil Burley

Updated 2026-08-19 20:05:34 UTC by Neil Burley