

# SAFETY/RISK/HAZARD ASSESSMENT

## PLANT INFORMATION

NHG Ref/Part No.

HAMDRIL1

Plant Name:

Ryobi SDS Hammer Drill

Potential Noise Level in Db:

95db to less than 100db

Required hearing protection class: 3

Operator Competency:

Plant Licence Not Required

*It is the hirer's responsibility to ensure that all operators are competent.*

Please refer to the User Guide and Operators Manual for detailed Operating Instructions



Protective  
equipment  
must be worn  
when operating  
this machine



## RISK ASSESSMENT INFORMATION

### Potential Hazard(s)

#### Electrocution

|                  |                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Risk Level       | Medium                                                                                                                                                                                                                                                                                                                                                                                     |
| Control Measures | Ensure equipment has a current test tag (within 3 months)<br>Do not operate in wet or damp environments<br>Visually check equipment and leads for signs of damage before operation.<br>It is recommended to use a safety switch with this equipment<br>Isolate power by removing from power source prior to performing any work on the equipment, including changing leads, tools or bits. |

#### Injury

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Risk Level       | Medium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Control Measures | Ensure body parts, hair and loose clothing are kept clear from moving parts of the drill.<br>Ensure work pieces are appropriately secured prior to drilling.<br>Ensure appropriate protective equipment, including eye protection is worn whilst operating equipment.<br>Allow drill bit to cool prior to handling<br>Do not remove guards or covers.<br>Do not drill into pipes, tanks or vessels that contain pressure or flammable substances.<br>Avoid inverted drilling as lifting the equipment above shoulder height can reduce safe control.<br>Do not operate equipment under the influence of alcohol or drugs<br>Beware of blades & bits which can catch, causing them to kick violently<br>Ensure drill bits, blades, discs, tool pieces, belts etc., are tightly secured and sharp, and appropriate for the type of material being worked on (eg. Wood, masonry, plastic, ceramics)<br>Beware of debris ejected from the work piece.<br>Ensure leads are stowed safely and does not present a trip hazard |

### **Ill health due to exposure to dust/fumes**

|                  |                                                                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Risk Level       | Medium                                                                                                                            |
| Control Measures | Always provide for good ventilation. Use an approved dust mask to avoid inhaling excessive amount of dust formed whilst drilling. |

### **Exposure to ultraviolet radiation if working outdoors**

|                  |                                                   |
|------------------|---------------------------------------------------|
| Risk Level       | Medium                                            |
| Control Measures | Wear sunscreen, hat, long sleeves and long pants. |

### **Hearing Damage**

|                  |                                                        |
|------------------|--------------------------------------------------------|
| Risk Level       | Medium/Low                                             |
| Control Measures | Hearing protection with a rating of 50Db must be worn. |

### **Injury**

|                  |            |
|------------------|------------|
| Risk Level       | Medium/Low |
| Control Measures |            |

### **Burn hazard**

|                  |                                                                               |
|------------------|-------------------------------------------------------------------------------|
| Risk Level       | Low                                                                           |
| Control Measures | Wear protective clothing during operation. Avoid contact with hot components. |

### **Work Area Safety**

- a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

## **Electrical safety**

- a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

## **Personal safety**

- a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- b) Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

## **Power Tool Use & Care**

- a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) Use the power tool, accessories and tool bits etc, in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

## **Hammer safety warnings**

- Wear ear protectors. Exposure to noise can cause hearing loss.
- Use auxiliary handle(s), if supplied with the tool. Loss of control can cause personal injury.
- Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- Wear safety goggles to protect your eyes from flying particles and splinters.

## **Additional Safety Warnings**

- We recommend that the product always be supplied via a residual current device (RCD) with a rated residual current of 30 mA or less. Residual risks Even when the rotary hammer drill is used as prescribed, it is still impossible to completely eliminate certain residual risk factors. The following hazards may arise and the operator should pay special attention to avoid the following:
  - Risk of electrocution if electric cables are drilled into. Always grasp the tool by designated handles, do not touch the drill bits.
  - Kick-back whilst drilling if the bit jams. Always use the side handle and grip the tool firmly.

- Damage to the respiratory system. Wear respiratory protection masks containing filters appropriate to the materials being worked. Ensure adequate workplace ventilation. Do not eat, drink or smoke in the work area.
- Damage to hearing. Always wear effective hearing protection and limit exposure to noise.
- Damage to eyes from flying dust and debris particles. Always wear suitable eye protection.
- Injury caused by vibration. Hold the tool by designated handles and limit exposure to vibration.

#### **Risk reduction**

It has been reported that vibrations from hand-held tools may contribute to a condition called Raynaud's Syndrome in certain individuals. Symptoms may include tingling, numbness and blanching of the fingers, usually apparent upon exposure to cold. Hereditary factors, exposure to cold and dampness, diet, smoking and work practices are all thought to contribute to the development of these symptoms.

There are measures that can be taken by the operator to possibly reduce the effects of vibration:

- Keep your body warm in cold weather. When operating the unit wear gloves to keep the hands and wrists warm. It is reported that cold weather is a major factor contributing to Raynaud's Syndrome.
- After each period of operation, exercise to increase blood circulation.
- Take frequent work breaks. Limit the amount of exposure per day. If you experience any of the symptoms of this condition, immediately discontinue use and see your doctor about these symptoms.

## **Please refer to the User Guide and Operators Manual for detailed Operating Instructions**

*The safety information contained in this assessment is general information only and should not be relied upon as a substitute for professional advice or tuition, which the hirer should seek before operating.*