



# AIR DRILL 10MM 1800RPM REVERSIBLE

MODEL NO: **S01047**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instruction manual



Wear protective gloves



Wear eye protection



Wear face mask



Wear ear protection

## 1. SAFETY

- ✓ Follow all workshop health & safety rules, regulations, and conditions when using drill.
- ❑ **WARNING!** Disconnect from air supply before changing accessories or servicing.
- ❑ **WARNING!** Check correct air pressure is maintained and not exceeded. We recommended 90 psi.
- ✓ Maintain the drill in good condition and replace any damaged or worn parts. Use genuine parts only. Non-authorized parts may be dangerous and will invalidate the warranty.
- ✓ Keep air hose away from heat, oil and sharp edges. Check air hose for wear before each use and ensure that all connections are secure.
- ✓ Wear approved safety eye protection. If dust is generated wear respiratory protection, and safety gloves.
- ✓ Wear suitable clothing to avoid snagging. **DO NOT** wear loose jewellery and tie back long hair.
- ✓ Keep hands away from rotating chuck and drill bit.
- ✓ Keep drill bits clean and sharp for best and safest performance.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Secure non stable work piece with a clamp, vice or other adequate holding device.
- ✓ Ensure the chuck is securely fastened to the spindle and the drill bit is secure in the chuck.
- ✓ Keep children and unauthorised persons away from the working area.
- ❑ **WARNING! DO NOT** use drill if damaged or faulty. Contact your local service agent.
- ❑ **WARNING!** Beware of high-reaction torque when breaking through the material being drilled.
- \* **DO NOT** get the drill wet or use in damp or wet locations.
- \* **DO NOT** apply excessive loads to the drill bit during operation.
- \* **DO NOT** hold the workpiece by hand. Use clamps or a vice to secure the workpiece.
- \* **DO NOT** use the drill for a task it is not designed to perform.
- \* **DO NOT** use drill unless you have been instructed in its use by a qualified person.
- \* **DO NOT** drop, throw or abuse the drill.
- \* **DO NOT** carry the drill by the air hose, or yank the hose from the air supply.
- \* **DO NOT** operate drill if you are tired, under the influence of alcohol, drugs or intoxicating medication.
- \* **DO NOT** carry drill with your hand on the power trigger in order to avoid unintentional starting.
- \* **DO NOT** direct air from the air hose at yourself or others.
- ✓ When not in use disconnect from air supply and store in a safe, dry, childproof location.

## 2. INTRODUCTION

Powder coated aluminium housing for added corrosion resistance, with planetary gear drive assembly. Features reversible action making this tool suitable for driving fixings. Fitted with 10mm drill chuck and supplied with chuck key. Suitable for the DIY enthusiast and light garage use. Air Supply: 90psi - 4cfm. Model No. S01047

## 3. SPECIFICATION

Model No. .... S01047  
Free Speed: ..... 1800rpm  
Chuck size ..... Ø10mm  
Air Consumption: ..... 4cfm  
Operating Pressure: ..... 90psi  
Air inlet Size: ..... 1/4" BSP  
Weight: ..... 1.15kg  
Noise Power/Pressure: ..... 101/90dB(A)  
Vibration/Uncertainty: ..... 0.89/1.5m/s<sup>2</sup>

## 4. PREPARATION

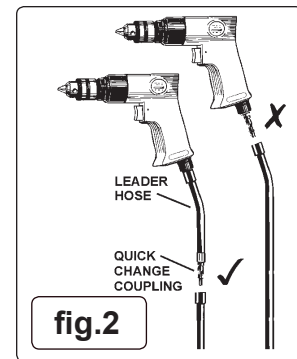
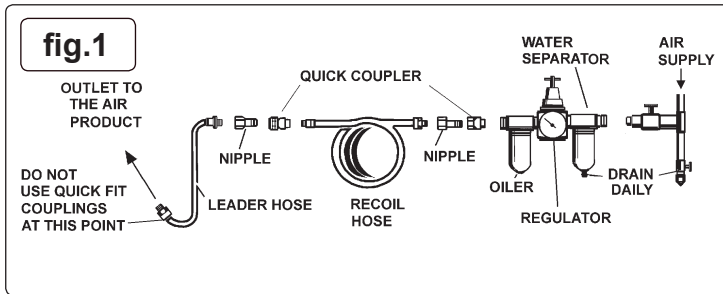
### 4.1. Air Supply

- ❑ **WARNING!** Ensure the air supply is clean and does not exceed 90psi while operating the drill. Too high an air pressure and unclean air will shorten the product life due to excessive wear, and may be dangerous causing damage and/or personal injury.
- 4.1.1. Ensure drill air valve (or trigger) is in the "off" position before connecting to the air supply.
- 4.1.2. You will require an air pressure of 90psi, and an air flow according to specification.
- 4.1.3. Drain the air tank daily. Water in the air line will damage the drill.

- 4.1.4. Clean air inlet filter weekly. Recommended hook-up procedure is shown in fig 1.
- 4.1.5. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 1/4" internal diameter and fittings must have compatible dimensions.
- 4.1.6. Keep hose away from heat, oil and sharp edges. Check hose for wear, and make certain that all connections are secure.

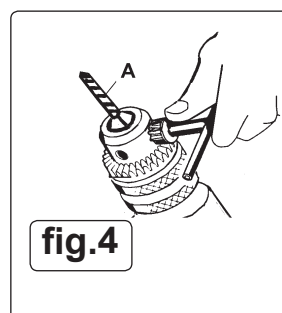
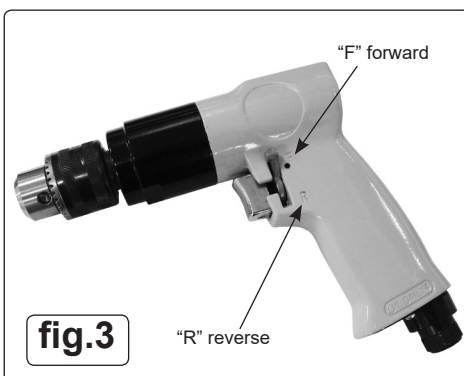
**4.2. Couplings.**

Vibration may cause failure if a quick change coupling is connected directly to the drill. To overcome this, connect a leader hose to the drill (Sealey ref: AH2R or AH2R/38). A quick change coupling may then be used to connect the leader hose to the air line recoil hose. See fig.1& fig.2.



**5. OPERATION**

- WARNING!** Ensure you read, understand and apply safety instructions before use.
- 5.1. **Drill bit fitting.** Regularly check the drill bit and always change if worn, cracked or otherwise damaged.
- WARNING!** Unplug from the air supply before placing bit into chuck.
- 5.1.1. Open or close the chuck jaws to a point where the opening is slightly larger than the drill or tool bit (fig.4) to be used. Insert the drill bit into the chuck as far as it will go. Place the chuck key in one of the chuck holes and tighten the chuck securely.
- WARNING!** Ensure you remove the chuck key before starting the drill.
- 5.2. Connect air supply to drill. Squeeze the trigger to check that the drill is working correctly before starting work.
- × **DO NOT** allow drill to run freely for an extended period of time as this will shorten the life of bearings.
- 5.3. **Standard drilling instructions.**
- WARNING!** Ensure you wear approved safety goggles and any other safety items required for the job. Remove the chuck key before using the drill. Also ensure that all other safety requirements are followed.
- 5.3.1. Connect drill to air supply.
- 5.3.2. Ensure the drill is turning in the forward direction by checking that the lever adjacent to the trigger is next to the forward symbol (F). If not, push the lever over to the forward position (fig.3).
- 5.3.3. Hold tool firmly and place the bit tip to the point to be drilled.
- 5.3.4. Depress the trigger to start drill. Move the drill bit into the work piece applying only enough pressure to keep the bit cutting. **DO NOT** force or apply side pressure to elongate the hole.
- 5.3.5. If the material to be drilled is free standing it should be secured in a vice or with clamps to keep it from turning as the drill bit rotates.
- 5.3.6. When drilling metals, use cutting a light oil on the drill bit to keep it from overheating. Cutting oil will prolong life of bit and improve the drilling action.
- 5.3.7. For hard smooth surfaces use a centre punch to mark desired hole location. This will prevent bit from slipping as you start to drill.
- 5.3.8. A pilot hole may be necessary to assist the final drill size through the work piece. Lock a pilot drill (smaller size drill than the finished hole size) into the chuck. Follow steps 5.3.1. to 5.3.3. above and drill a pilot hole in the middle of the centre punch mark where final hole is to be drilled. Insert the final sized bit in chuck. Hold drill firmly, place bit at entrance of the pilot hole and depress the trigger.
- WARNING!** Be prepared for drill binding on break through. When these situations occur the drill has a tendency to grab and kick in the opposite direction which could cause loss of control. If you are not prepared, this loss of control can result in damage and/or personal injury.
- 5.3.9. If the bit jams in the workpiece or if the drill stalls, release the trigger switch immediately. Remove the bit from the workpiece and determine the reason for jamming. It may be necessary to reverse the direction of rotation by moving the lever adjacent to the trigger to the reverse (R) position (fig.3).



## 6. MAINTENANCE

- ❑ **WARNING!** Disconnect drill from air supply before changing accessories, servicing or performing maintenance. Replace or repair damaged parts. Use genuine parts only. Non-authorised parts may be dangerous and will invalidate the warranty.
- 6.1. Lubricate the air drill daily with a few drops of Sealey air tool oil dripped into the air inlet to prolong its life.
- 6.2. Clean the drill after use.
- 6.3. Loss of power or erratic action may be due to the following:
  - a) Excessive drain on the air line. Moisture or restriction in the air pipe. Incorrect size or type of hose connectors. To remedy check the air supply and follow instructions in Section 4.
  - b) Grit or gum deposits in the drill may also reduce performance. If your model has an air strainer (located in the area of the air inlet), remove the strainer and clean it. Flush the drill out with gum solvent oil or an equal mixture of SAE No 10 oil and paraffin. Allow to dry before use.
- 6.4. For a full service contact your local Sealey stockist.
- 6.5. When not in use, disconnect from air supply, clean drill and store in a safe, dry, childproof location.

### **WARNING!** – Risk of Hand Arm Vibration Injury.

**This tool may cause Hand Arm Vibration Syndrome if its use is not managed adequately.**

This tool is subject to the vibration testing section of the Machinery Directive 2006/42/EC.

This tool is to be operated in accordance with these instructions.

**Measured vibration emission value (a): . . . . . 0.89m/s<sup>2</sup>**

**Uncertainty value (k): . . . . . 1.5m/s<sup>2</sup>**

*Please note that the application of the tool to a sole specialist task may produce a different average vibration emission. We recommend that a specific evaluation of the vibration emission is conducted prior to commencing with a specialist task.*

A health and safety assessment by the user (or employer) will need to be carried out to determine the suitable duration of use for each tool.

**NB:** Stated Vibration Emission values are type-test values and are intended to be typical.

Whilst in use, the actual value will vary considerably from and depend on many factors.

Such factors include; the operator, the task and the inserted tool or consumable.

**NB:** ensure that the length of leader hoses is sufficient to allow unrestricted use, as this also helps to reduce vibration.

*The state of maintenance of the tool itself is also an important factor, a poorly maintained tool will also increase the risk of Hand Arm Vibration Syndrome.*

#### **Health surveillance.**

We recommend a programme of health surveillance to detect early symptoms of vibration injury so that management procedures can be modified accordingly.

#### **Personal protective equipment.**

We are not aware of any personal protective equipment (PPE) that provides protection against vibration injury that may result from the uncontrolled use of this tool. We recommend a sufficient supply of clothing (including gloves) to enable the operator to remain warm and dry and maintain good blood circulation in fingers etc. Please note that the most effective protection is prevention, please refer to the Correct Use and Maintenance section in these instructions. Guidance relating to the management of hand arm vibration can be found on the HSE website [www.hse.gov.uk](http://www.hse.gov.uk) - Hand-Arm Vibration at Work.



#### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

**Note:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**Important:** No Liability is accepted for incorrect use of this product.

**Warranty:** Guarantee is 12 months from purchase date, proof of which is required for any claim.

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