



INSTRUCTIONS FOR

AIR ANGLE DRILL 10MM - KEYLESS CHUCK

MODEL NO: **GSA231**

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 the instruction manual



Wear ear protection



Wear eye protection



Wear protective gloves



Wear a mask

1. SAFETY

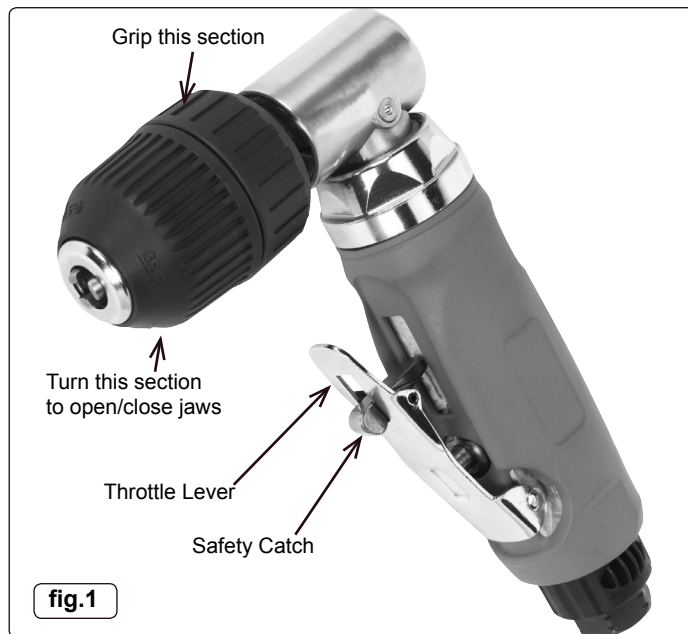
- WARNING!** Ensure Health & Safety, local authority and general workshop practice regulations are adhered to when using this equipment.
- WARNING!** Disconnect from the air supply before servicing or performing maintenance.
- WARNING!** Always wear approved eye or face and hand protection when operating the drill. If dust is generated wear a mask.
- WARNING!** Ensure correct air pressure is maintained and not exceeded. Recommended air line pressure is 90psi.
- ✓ Remove ill fitting clothing. Remove ties, loose jewellery and contain and/or tie back long hair.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Maintain the tool in good condition (use an authorised service agent).
- ✓ Replace damaged parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Use in a suitable clean and tidy work area, free from unrelated materials. Ensure that there is adequate lighting and ventilation.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ Keep hands away from rotating chuck and drill bit.
- ✓ Keep drill bits clean and sharp for best and safest performance.
- ✓ Ensure the workpiece, chuck and drill bit are secure before operating the drill. Never hold a workpiece in the hand. Use a vice or clamps.
- ✓ Keep the air hose away from heat, oil and sharp edges. Check air hose for wear before each use and ensure that all connections are secure.
- ✓ Prolonged exposure to vibration from this tool poses a health risk. It is the employer's/owner's responsibility to correctly assess the hazard and issue guidelines for safe periods of use and offer suitable protective equipment.
- ✓ When not in use, disconnect from the air supply and store in a safe, dry, childproof location.
- ✗ **DO NOT** operate the drill unless you have been instructed in its use by a qualified person.
- ✗ **DO NOT** get the drill wet or use in damp or wet locations.
- ✗ **DO NOT** use any power source except an air compressor.
- ✗ **DO NOT** apply excessive loads to the drill bit during operation.
- ✗ **DO NOT** operate the tool near any inflammable substance or on any container that has held an inflammable substance.
- ✗ **DO NOT** use the tool for a task it is not designed to perform.
- ✗ **DO NOT** operate the tool if any parts are damaged or missing as this may cause failure and/or personal injury.
- ✗ **DO NOT** carry the tool by the hose or pull 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.
- WARNING!** The warnings, cautions and instructions in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.

2. INTRODUCTION

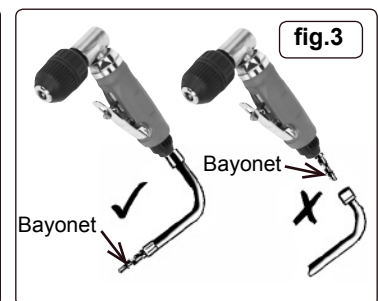
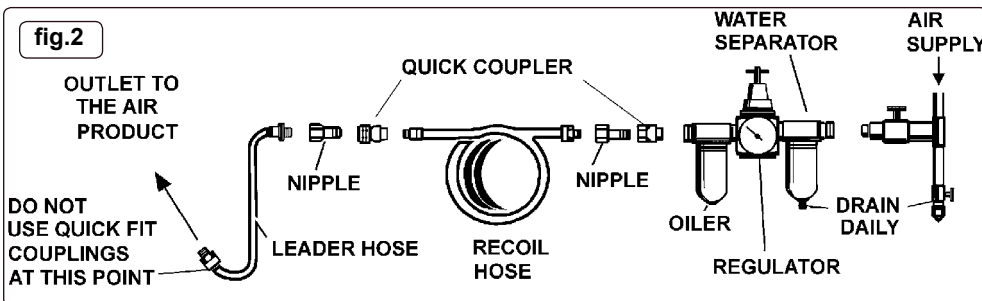
Contoured composite handle reduces effects of chill on operator's hands, provides added control and helps reduce vibration. 90° Angle is ideal for drilling in hard to reach areas. Directional, low noise air exhaust can be rotated 360° giving operator added protection. Fitted with safety trigger to prevent inadvertent operation. Supplied with Jacob's keyless chuck for fast bit changes.

3. SPECIFICATION

Model No: **GSA231**
Chuck Size: Ø10.0mm
Air Consumption: 4cfm
Operating Pressure: 90psi
Free Speed: 15000rpm
Noise Power: 104dBA
Noise Pressure: 93dBA
Vibration: 2.5m/s²
Uncertainty: 1.25m/s²
Air Inlet Size: 1/4" BSP
Weight: 0.67kg



4. OPERATION



4.1. Air Supply

- 4.1.1. Recommended hook-up procedure is shown in fig.2 and fig.3.
- 4.1.2. Ensure Air Drill trigger is in the "off" position (fig.1) before connecting to the air supply or changing the drill bit.
- 4.1.3. You will require an air pressure of 90psi, and an air flow according to specification.
 - ❑ **WARNING!** Ensure the air supply is clean and does not exceed 90psi while operating the tool. 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.
- 4.1.4. Drain the air tank daily. Water in the air line will damage the tool.
- 4.1.5. Clean the air inlet filter weekly.
- 4.1.6. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 1/4" I.D. and fittings must have the same inside dimensions.
- 4.1.7. Keep the hose away from heat, oil and sharp edges. Check the hose for wear, and make certain that all connections are secure.

4.2. Couplings.

- 4.2.1. Vibration may cause failure if a quick change coupling is connected directly to the air drill. To overcome this, connect a leader hose to the air 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.2 & fig.3.

❑ **WARNING! Ensure that you read, understand and apply the safety instructions in Section 1.**

4.3. Setup

- 4.3.1. Unpack the product and check the contents, see fig.1.
- 4.3.2. Grip and turn the chuck anticlockwise as indicated in fig.1 to open the jaws; insert the drill bit full depth. Grip and turn the chuck clockwise to close the 3 jaw chuck and clamp the drill bit.
- 4.3.3. Connect the drill to the air hose as described in fig.2 and fig.3.
- 4.3.4. Push the safety catch in fig.1 forward and depress the throttle lever to operate the drill.

5. MAINTENANCE

- ❑ **WARNING!** Disconnect from the air supply before servicing or performing maintenance. Replace damaged parts. *Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- 5.1. Unless the air supply system includes an oiler, lubricate the air drill daily with a few drops of air tool oil, dripped into the air inlet before use [Sealey part no's. ATO500S (500ml) or ATO1000S (1 Litre)].
- 5.2. 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 line. 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 sander may also reduce performance. Your model has an air strainer (located in the area of the air inlet), remove the strainer and clean it. Flush the airway out with gum solvent oil or an equal mixture of SAE No 10 oil and kerosene. Allow to dry before use. If you continue to experience problems, contact your local Sealey service agent.
- 5.3. For a full service, contact your local Sealey service agent.
- 5.4. When not in use, disconnect from the air supply, clean the with a brush or dry cloth. Wipe clean the body with a moist cloth and mild detergent. Store all 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): 2.5 m/s²

Uncertainty value (k): 1.25 m/s²

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 HSC website www.hse.gov.uk - Hand-Arm Vibration at Work.

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 will be required for any claim.



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