



INSTRUCTIONS FOR:
**13MM REVERSIBLE AIR DRILL
WITH KEYLESS CHUCK**
MODEL No: **GSA27**

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 AND CAUTIONS. USE THIS 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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- ✓ Follow workshop Health & Safety rules, regulations and conditions when using drill.
- WARNING!** Disconnect from air supply before changing accessories or servicing.
- ✓ Maintain the drill in good condition and replace any damaged or worn parts. *Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- WARNING!** Check correct air pressure is maintained and not exceeded. We recommended 90psi.
- ✓ 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 gloves, eye and ear protection. If dust is generated wear respiratory protection.
- ✓ 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 unstable workpiece with a clamp, vice or other suitable holding device.
- ✓ Ensure the chuck is securely fastened to the spindle and the drill bit is secure in the chuck.
- ✓ Avoid unintentional starting.
- ✓ Keep children and unauthorised persons away from the work area.
- x **DO NOT** hold the workpiece by hand. Use clamps or a vice to secure the workpiece.
- x **DO NOT** use the drill for a task it is not designed to perform.
- WARNING! DO NOT** use drill if damaged or thought to be faulty. Contact your local service agent.
- x **DO NOT** use drill unless you have been instructed in its use by a qualified person.
- x **DO NOT** drop, throw or abuse the drill.
- x **DO NOT** carry the drill by the air hose, or yank the hose from the air supply.
- x **DO NOT** operate drill if you are tired or under the influence of alcohol, drugs or intoxicating medication.
- x **DO NOT** carry drill with your hand on the trigger in order to avoid unintentional starting.
- x **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 & SPECIFICATION

Fully polished finish with exhaust through handle base for reduced noise emission. Unit features engaged planetary gear drive assembly. Rotor runs on high quality ball bearings for long life and reliability. Fully reversible drive with finger-tip control set above trigger. Fitted with Jacobs keyless chuck for fast bit changes. Supplied with side handle. Contoured soft-grip handle gives added comfort and control.

Chuck size:	13mm	Weight:	1.5kg
Free speed:	600 to 700rpm	Noise Power:99.71dB(A)
Air consumption:	4.5cfm	Noise Pressure:88.71dB(A)
Operating pressure:	90psi	Vibration Figure:	2.7m/s ²
Air inlet size:	1/4" BSP	Uncertainty Value:	0.46m/s ²

3. PREPARING DRILL FOR USE

3.1. Air Supply (Recommended hook-up is shown in fig. 1.)

- 3.1.1. Ensure drill air valve (or trigger) is in the "off" position before connecting to the air supply.
- 3.1.2. You will require an air pressure of 90psi and an air flow of 4.5cfm.
- 3.1.3. **WARNING!** Ensure the air supply is clean and does not exceed 90psi. Too high an air pressure or unclean air will shorten the life of the drill due to excessive wear, and may be dangerous, causing damage and/or personal injury.
- 3.1.4. Drain the air tank daily. Water in the air line will damage the drill.
- 3.1.5. Clean compressor air inlet filter weekly.
- 3.1.6. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose size should be 1/4" I.D. and fittings must have the same internal bore.
- 3.1.7. Keep hose away from heat, oil and sharp edges. Check hose for wear and make certain that all connections are secure.

3.2. 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. A quick change coupling may then be used to connect the leader hose to the air line recoil hose. (See figs. 1 & 2).

fig.1

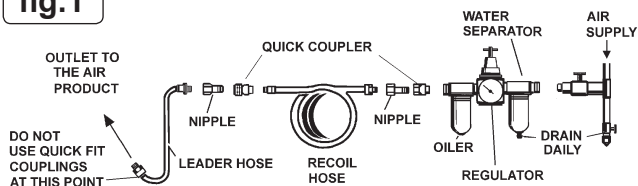
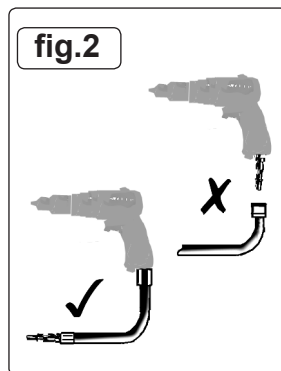


fig.2



4. OPERATING INSTRUCTIONS

WARNING! Ensure you read, understand and apply safety instructions before use.

- 4.1. Take hold of the drill with one hand and wrap thumb and forefinger around the back part of chuck. Spin front part of chuck anticlockwise with other hand to open the jaws to the size of the drill bit to be used.
- 4.2. Insert drill bit and rotate front part of chuck until it starts to grip the drill bit. Grip rear part of chuck and turn front part of chuck clockwise until the bit is firmly locked in place. Rotate whole chuck to check that bit is running true.

- 4.3. Connect the drill to the air hose as in Section 3.
- 4.4. The drill direction is changed by switching the reverse lever behind the trigger from side to side. Check that the drill is set to operate in the required direction.
- 4.5. To adjust the position of the side handle loosen the sleeve directly above the grip with an 18mm spanner. Rotate the grip to the position required and retighten.
- 4.6. Depress the trigger to operate the drill.
DO NOT allow drill to free run for an extended period of time as this will cause accelerated wear.



5. MAINTENANCE

- WARNING!** Disconnect drill from air supply before changing accessories, servicing or performing maintenance. Replace or repair damaged parts. *Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- 5.1. If the air system does not include an oiler, lubricate the drill daily with a few drops of Sealey air tool oil dripped into the air inlet.
- 5.2. Clean the drill after use.
- 5.3. 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 3.
 - b) Grit or gum deposits in the drill. If your model has an air filter (located in the area of the air inlet), remove 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.
- 5.4. For a full service contact your local Sealey service agent.
- 5.5. When not in use, disconnect from air supply, clean and store in a safe, dry, childproof location.

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.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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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 to be operated in accordance with these instructions.

Measured vibration emission value (a): 2.7m/s²

Uncertainty value (k): 0.46m/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.

PREPARING FOR USE.

Air Supply.

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 cause damage and/or personal injury.

Ensure that the tool air valve (or trigger) is in the “off” position before connecting to the air supply.

Monitor the compressor daily to ensure that moisture is not present in the compressed air. Water in the air line will damage the tool.

Line pressure should be increased to compensate for unusually long air hoses (over 8metres).

The minimum hose diameter should be ¼” internal diameter. Fittings must have compatible inside dimensions.

Keep hoses away from heat, oil and sharp edges. Check hoses for wear and ensure that all connections are secure.

Couplings.

Vibration may cause failure if a quick change coupling is connected directly to the tool.

To overcome this, connect a leader hose to the tool (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.

CORRECT USE.

Vibration emission is closely linked to the operating pressure in the air supply. The user should ensure that the pressure is set in accordance with our recommendations to assure optimum efficiency and minimise vibration exposure.

- Ensure that the tool is correctly aligned to the work. Misalignment increases the risk of vibration injury.
- Ensure that consumables are selected, maintained and replaced in accordance with Sealey Instructions.
- Sleeve fittings must be used where possible.
- Always support the tool in a stand or on a balancer or a tension device where possible.
- Ensure that the operator is sufficiently experienced in order to be able to handle and operate the tool correctly.
- Ensure that the tool is held with a light but secure grip. Avoid excessive grip force as this will increase the risk of vibration injury.

MAINTENANCE.

If the air system does not have an oiler, lubricate the air tool daily with a few drops of Sealey air tool oil dripped into the air inlet. Clean the tool after use.

DO NOT use worn or damaged grinding discs (if applicable).

Loss of power or erratic action may be due to the following:

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 the PREPARING FOR USE section.

Grit, residual deposits (gum) in the tool may also reduce performance.

Remove the strainer. Clean the strainer and flush the tool out with gum solvent oil or an equal mixture of SAE No: 10 oil and paraffin.

Allow the tool and strainer to dry then lubricate before use.

For a full service, contact your local Sealey service agent.

When not in use, disconnect the tool from the air supply, clean the tool and store the tool in a safe, childproof, location.

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.