



INSTRUCTIONS FOR: GENERATION SERIES LONG REACH AIR DIE GRINDER

MODEL No: **GSA672**

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 grinder.
- ☐ **WARNING!** Disconnect from air supply before changing accessories or servicing.
- ✓ Maintain the grinder 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 grinding tips in good condition 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 grinding tip is secure in the collet.
- ✓ 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 grinder for a task it is not designed to perform.
- ☐ **WARNING! DO NOT** use grinder if damaged or thought to be faulty. Contact your local service agent.
- x **DO NOT** use grinder unless you have been instructed in its use by a qualified person.
- x **DO NOT** drop, throw or abuse the grinder.
- x **DO NOT** carry the grinder by the air hose, or yank the hose from the air supply.
- x **DO NOT** operate grinder if you are tired or under the influence of alcohol, drugs or intoxicating medication.
- x **DO NOT** carry grinder with your hand on the throttle 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

Powerful, Third Generation long reach die grinder. Contoured handle insulates user from chill and vibration. Directional, low noise air exhaust can be rotated 360° giving operator added protection. Includes 4-position air valve and throttle safety device.

Collet size:	Ø6mm	Air inlet size:	1/4" BSP
Free speed:	23000rpm	Weight:	0.6kg
Air consumption:	3.0cfm	Noise Power:	94.81dB(A)
Operating pressure:90psi	Noise Pressure:	83.81dB(A)

3. PREPARING DRILL FOR USE

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

3.1.1. Ensure grinder throttle 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 3.0cfm.

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 grinder 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 grinder.

3.1.5. Clean compressor air inlet filter weekly.

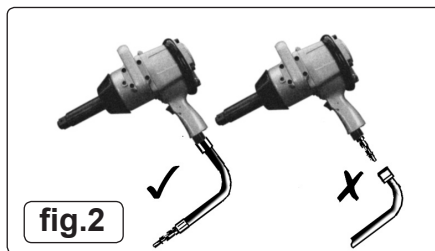
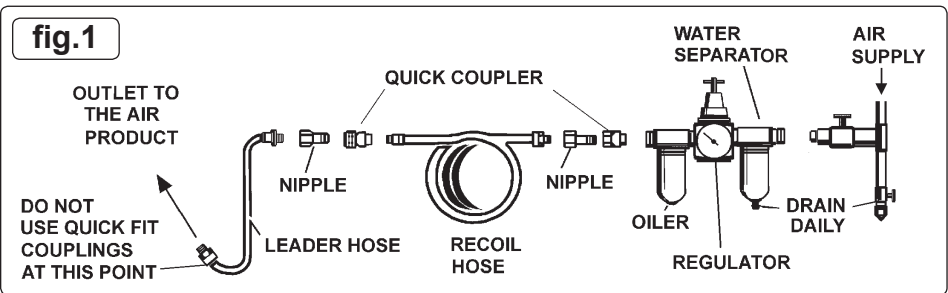
3.1.6. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose size should be 1/4" I.D. and fittings must have the same internal bore.

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 grinder.

To overcome this, connect a leader hose to the grinder. A quick change coupling may then be used to connect the leader hose to the air line recoil hose (see figs.1 & 2).



4. OPERATING INSTRUCTIONS

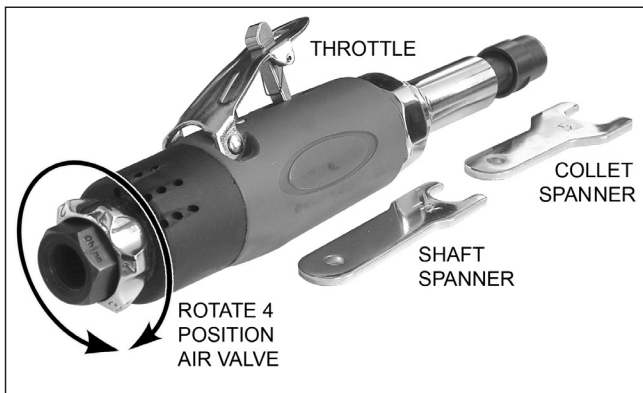
☐ **WARNING!** Ensure you read, understand and apply safety instructions before use.

4.1. To mount a grinding tip place the smaller spanner provided across the flats on the shaft (just below the collet) to prevent the shaft from rotating. Loosen the collet using the larger spanner and drop the shaft of the selected grinding tip into the collet. Tighten the collet until the shaft of the grinding tip is securely held.

- 4.2. Connect the grinder to the air hose as in Section 3.
- 4.3. Adjust the flow of incoming air by rotating the chrome ring around the air inlet port at the rear of the tool. There are four positions to select from.
- 4.4. Place thumb on throttle safety pin and push forwards and down to start grinder.

DO NOT allow grinder

to free run for an extended period of time as this will cause accelerated wear.



5. MAINTENANCE

- ❑ **WARNING!** Disconnect grinder 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 grinder daily with a few drops of Sealey air tool oil dripped into the air inlet.
- 5.2. Clean the grinder 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 grinder. If your model has an air filter (located in the area of the air inlet), remove and clean it. Flush the grinder 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.

WARNING! – Risk of Hand Arm Vibration Injury.

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

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.

This tool has been tested in accordance with: EN ISO 28927-1:2009 & BS EN ISO 15744:2008.

Declaration and verification of Vibration Emission figures are in accordance with EN 12096:1997

Measured vibration emission value (a): . . . 2.42m/s²

Uncertainty value (k): 0.445m/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.

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.

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.