



Ø150MM AIR PALM RANDOM ORBITAL SANDER

MODEL NO: **GSA04 / GSA05 / GSA06**

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 instructions



Wear eye protection



Wear protective gloves



Wear a mask



Wear ear protection

1. SAFETY

- WARNING!** Ensure that Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
 - WARNING!** Disconnect from air supply and dust-free system before changing accessories, servicing or maintenance.
 - ✓ Maintain the sander in good condition (use an authorised service agent).
 - ✓ Replace or repair damaged parts. Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
 - ✓ Use the sander in a suitable work area. Keep area clean, tidy and free from unrelated materials. Ensure that there is adequate lighting.
 - ✓ Before each use check abrasive pad for condition. If worn or damaged replace immediately.
 - ✓ Ensure that there are no flammable or combustible materials near the work area.
 - WARNING!** Always wear approved eye or face protection when operating the sander.
 - ✓ If dust is generated, use face, dust, or respiratory protection in accordance with COSHH regulations.
 - ✓ Depending on the task, sander noise level may exceed 85dB, in which case wear safety ear defenders.
 - ✓ Remove ill fitting clothing. Remove ties, watches, rings and loose jewellery. Contain and/or tie back long hair.
 - ✓ Wear appropriate protective clothing and keep hands and body clear of working parts.
 - ✓ Maintain correct balance and footing. Ensure that the floor is not slippery and wear non-slip shoes.
 - ✓ Keep children and unauthorised persons away from the work area.
 - ✓ Check moving parts alignment on a regular basis.
 - ✓ Ensure that the work piece is correctly secured before operating the sander. Never hold a workpiece by hand.
 - ✓ Check the work piece to ensure that there are no protruding nails, screws, stones, etc.
 - ✓ Avoid unintentional starting.
 - WARNING!** Ensure that the correct air pressure is maintained and not exceeded.
 - ✓ 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.
 - ✓ Prolonged exposure to vibration from these tools poses a health risk. It is the owner's responsibility to correctly assess the potential hazard, issue guidelines for safe periods of use and offer suitable protective equipment.
 - * **DO NOT** use the sander for a task it is not designed to perform.
 - * **DO NOT** operate sander if any parts are damaged or missing as this may cause failure and/or personal injury.
 - WARNING! DO NOT** cut, grind, saw or sand any materials containing asbestos.
 - * **DO NOT** carry the sander by the hose, or yank the hose from the air supply.
 - * **DO NOT** get the sander wet or use in damp or wet locations. These models are dry sanders only.
 - * **DO NOT** operate sander when you are tired or under the influence of alcohol, drugs or intoxicating medication.
 - * **DO NOT** use sander near flammable liquids, solids or gases, such as paint solvents and including waste wiping or cleaning rags etc.
 - * **DO NOT** leave the sander operating unattended.
 - * **DO NOT** carry the sander with your finger on the power lever.
 - * **DO NOT** direct air from the air hose at yourself or others.
 - ✓ When not in use disconnect from air supply and dust-free system, and store in a safe, dry, childproof location.
- 1.1. LEAD PAINT WARNING!**
- IMPORTANT!** Paint once contained lead as a traditional ingredient. Contact with the toxic dust from the removal of such paint must therefore be avoided. The following action must be taken before using the sander on a surface that you suspect may contain lead paint.
- 1.1.1. User must determine potential hazard relating to age of paint to be removed (modern paints do not have lead content).
- ▲ **DANGER!** Keep all persons and pets away from the work area.
- 1.1.2. The following are particularly vulnerable to the effects of lead paint dust: Pregnant women, babies and children.
- 1.1.3. We recommend personal protection by using the following safety items:
- a) Paint Spray Respirators.
 - b) PE Coated Hooded Coverall.
 - c) Latex Gloves.
- 1.1.4. Take adequate measures to contain the paint dust, flakes and scrapings.
- 1.1.5. Continue to wear safety equipment as in section 1.1.3 and thoroughly clean all areas when task is complete.
- 1.1.6. Seal paint waste in bags or containers for disposal according to local regulations.

2. INTRODUCTION

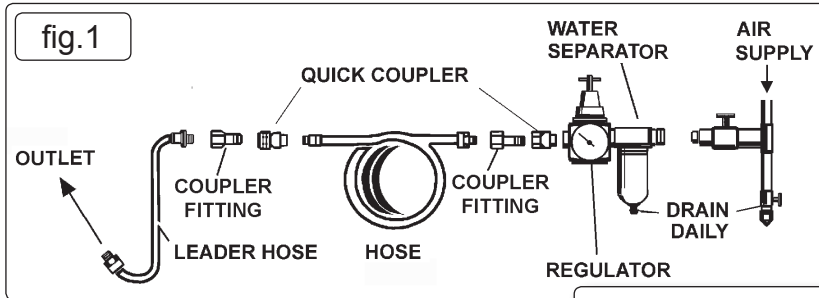
Variable speed control lever for quick adjustment to suit workpiece. Model No's GSA04 and GSA05 feature a 360° exhaust muffler to help reduce noise emission and redirect airflow away from operator. Model No. GSA05 features a dust-free outlet for use with centralised dust extraction systems. Model No. GSA06 features a self-generated vacuum with hose and bag. All models supplied with Ø150mm hook-and-loop pad.

3. SPECIFICATION

Model No:	GSA04	GSA05	GS06
Pad Size:	Ø150mm	Ø150mm	Ø150mm
Thread Size:	5/16"UNF	5/16"UNF	5/16"UNF
Free speed:	10500rpm	10500rpm	10500rpm
Orbit Size:	Ø2.5mm	Ø2.5mm	Ø2.5mm
Air Consumption:	3cfm	3cfm	3cfm
Operating pressure:	90psi	90psi	90psi
Air inlet size:	1/4"BSP	1/4"BSP	1/4"BSP
Vacuum Outlet:	N/A	26mm	31.5mm
Noise Power:	101db	101db	101db
Noise Pressure:	90db	90db	90db
Vibration:	4.4m/s ²	4.4m/s ²	4.4m/s ²
Vibration uncertainty:	2.2m/s ²	2.2m/s ²	2.2m/s ²

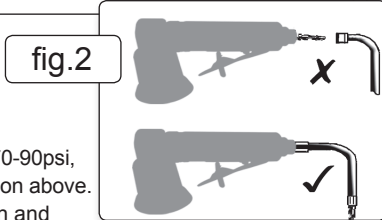


4. AIR ASSEMBLY



4.1. AIR SUPPLY

- 4.1.1. Ensure the sander air valve (or throttle) is in the "Off" position before connecting to the air supply.
- 4.1.2. You will require an air pressure between 70-90psi, and an air flow according to the specification above.
 - ❑ **WARNING!** Ensure the air supply is clean and does not exceed 90psi while operating the sander.
- 4.1.3. Too high an air pressure and/or 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 sander and will invalidate your warranty.
- 4.1.5. Clean air inlet filter weekly. Recommended hook-up procedure (fig.1).
- 4.1.6. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres).
- 4.1.7. The minimum hose diameter should be 1/4" I.D. and fittings must have the same inside dimensions.
- 4.1.8. Keep hose away from heat, oil and sharp edges. Check hoses 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 sander. To overcome this, connect a leader hose to the sander. A quick change coupling may then be used to connect the leader hose to the air line recoil hose (figs.1 & 2).

5. OPERATION

5.1. USE OF TOOL

- 5.1.1. Before each use of tool make sure that the pneumatic system is not damaged. Damaged parts should be replaced before use.
- 5.1.2. Dry the pneumatic system before use.

5.2. ASSEMBLY (fig.3.)

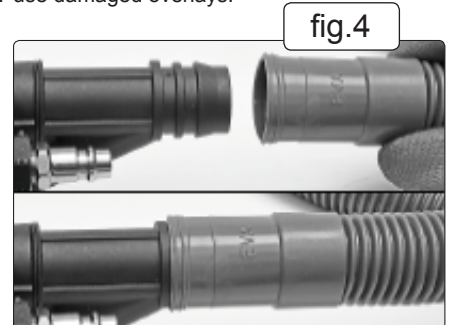
- 5.2.1. Ensure maximum speed of abrasive disc is greater than that of the sander.
- 5.2.2. Lock the spindle (fig.3.) with spanner.
- 5.2.3. Holding the spindle, firmly tighten the wheel to spindle.
- 5.2.4. Grinder is equipped with discs to allow installation of various overlays, such as sandpaper. Sandpaper should be placed concentrically. It is recommended to attach to disc the sanding sheet with holes cut out so that the holes in the disc match the holes in shield. This will increase the efficiency of removal of dust created during operation. **IMPORTANT!** Before attachment of the overlay you should check it for damage, **DO NOT** use damaged overlays.

5.3. CONNECTING OF THE GRINDER TO DUST EXTRACTION SYSTEM (fig.4.)

- 5.3.1. GSA06 is equipped with a connector for connecting a hose / dust bag (supplied). The hose must be pulled onto the connector for dust extraction. At the other end of the hose attach bag for dust collection and secure it with a hose clamp (available separately). The stream of air, which is created during the sanding operation, will provide dust extraction. Increase of efficiency of dust extraction can be achieved by connecting the other end of hose to the dust extraction systems, eg. industrial vacuum cleaner.
- 5.3.2. GSA05 Can be attached to an extraction system via a hose (not supplied).
- 5.3.3. GSA04 Has no dust extraction.
 - * **DO NOT** attached a bag directly to the sander, the rotating wheel may catch the bag.

5.4. OPERATION OF THE SANDER

- 5.4.1. On the wheel attach overlay, which is appropriate for task. Depress valve lever to start the sander and allow the disk to reach its full speed, before use.



6. MAINTENANCE

- WARNING!** Disconnect sander 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.*
- 6.1. If the air supply does not have an oiler, lubricate the air sander daily with a few drops of good grade air tool oil such as Sealey **ATO/500** or **ATO/1000**, dripped into the air inlet before use.
- 6.2. Clean the sander after use and change pads when required.
- 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 3.
 - b) Grit or gum deposits in the sander 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 sander out with gum solvent oil or an equal mixture of SAE No 10 oil and kerosene.
- 6.4. Allow to dry before use.
- 6.5. If problems continue, contact your local Sealey service agent. For a full service contact your local Sealey service agent.
- 6.6. When not in use, disconnect from air supply, clean sander 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):4.4 m/s²

Uncertainty value (k):.....2.2 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 HSE website 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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