



INSTRUCTIONS FOR

AIR PALM RANDOM ORBITAL SANDER Ø150mm

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 where there are 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.

LEAD PAINT WARNING!

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. User must determine potential hazard relating to age of paint to be removed (modern paints do not have lead content).
2. DANGER! Keep all persons and pets away from the work area. The following are particularly vulnerable to the effects of lead paint dust: Pregnant women, babies and children.
3. We recommend personal protection by using the following safety items:
 - a) Paint Spray Respirators.
 - b) PE Coated Hooded Coverall.
 - c) Latex Gloves.
4. Take adequate measures to contain the paint dust, flakes and scrapings.
5. Continue to wear safety equipment as in (3) and thoroughly clean all areas when task is complete.
6. Seal paint waste in bags or containers for disposal according to local regulations.

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

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.....
Weight.....	.0.95Kg.....	.0.96Kg.....	.0.98Kg.....
Noise Power.....	.101db.....	.101db.....	.101db.....
Noise Pressure.....	.90db.....	.90db.....	.90db.....
Vibration.....	.4.4m/s ²4.4m/s ²4.4m/s ²
Vibration uncertainty.....	.1.5m/s ²1.5m/s ²1.5m/s ²



GSA04



GSA05



GSA06

4. OPERATION

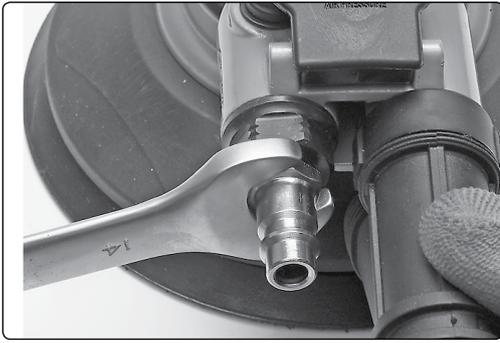


fig.1

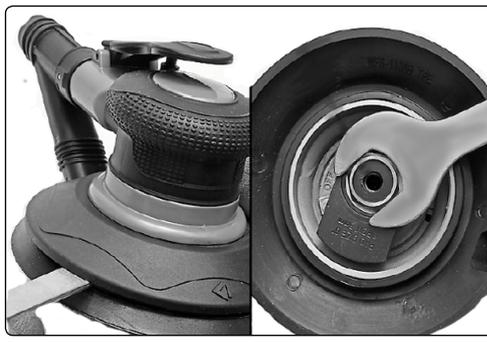


fig.2

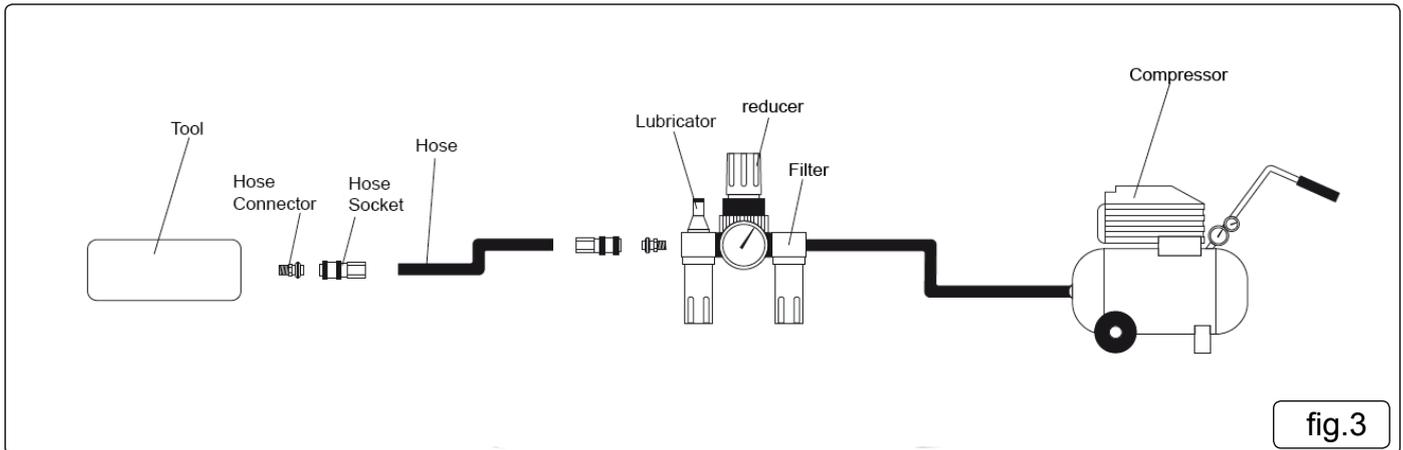


fig.3

4.1. Use of Tool.

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

4.2. Connection of the tool to pneumatic system.

- 4.2.1. Let a few drops of oil with a viscosity SAE 10 to the air inlet.
- 4.2.2. Screw air connector into body of sander (fig.1).
- 4.2.3. Connect the tool to pneumatic system using a hose of inner diameter 10 mm / 3/8". Make sure that the hose resilience is at least 1,38 Mpa (fig.3).
- 4.2.4. Adjust the air pressure.
- 4.2.5. Start the tool for few seconds making sure that it does not produce any suspicious noises or vibrations.

4.3. Assembly (fig.2.)

- 4.3.1. Ensure maximum speed of abrasive disc is greater than that of the sander.
- 4.3.2. Lock the spindle (fig.2.) with spanner
- 4.3.3. Holding the spindle, firmly tighten the wheel to spindle.
- 4.3.4. Grinder is equipped with Velcro 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.

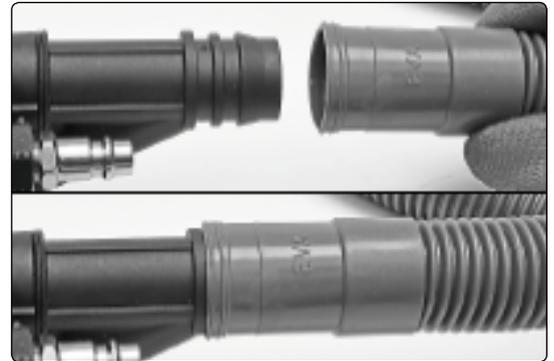


fig.4

Attention! Before attachment of the overlay you should check it for a damage, **DO NOT** use damaged overlays.

4.4. Connecting of the grinder to dust extraction system (fig.4.)

- 4.4.1. 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.
- 4.4.2. GSA05 Can be attached to an extraction system via a hose (not supplied).
- 4.4.3. GSA04 Has no dust extraction.

* **DO NOT** attached a bag directly to the sander the rotating wheel may catch the bag.

4.5. Operation of the sander.

- 4.5.1. 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.

5. MAINTENANCE

- * **DO NOT** use petrol, solvent, or other flammable liquids for cleaning of tool. Solvents used for cleaning the tool handle and tool body can cause softening of seals. Thoroughly dry the tool before starting work.
- 5.1. In case of any abnormality in the tool operation, the tool should be immediately disconnected from the pneumatic system.
- 5.2. All pneumatic system components must be protected from pollution. Pollution, which gets into the pneumatic system can harm the tool and other elements of pneumatic system.
- 5.3. Maintenance of the tool before each use
- 5.3.1. Disconnect the tool from pneumatic system.
- 5.3.2. Introduce a small amount of preservative fluid (for example wd-40) through the air inlet and connect the tool to the pneumatic system and run it for about 30 seconds. This will distribute the preservative liquid on the tool interior and clean it. Disconnect the tool from pneumatic system again.
- 5.3.3. A small quantity of SAE 10 oil let into the tool interior via air inlet. It is recommended to use SAE 10 oil intended for maintenance of pneumatic tools. Connect the tool and run it for a short time. WD - 40 may not serve as the appropriate lubricating oil. Remove excess oil
- 5.3.4. Every 6 months, or after 100 hours of work you should submit the tool for examination by a qualified person.
A damaged / faulty tool can cause injuries. Any repair of the tool must be carried out by qualified person in an authorized repair workshop.

6. TROUBLE SHOOTING

Failure	Possible solution
The tool speed is too slow or it does not start	Let a small amount of WD-40 through the air inlet. Run the tool for a few seconds. The blades may stick to the rotor. Run the tool for about 30 seconds. Lubricate the tool with small amount of oil. Attention! The excess of oil can cause a decrease in power of tool. In this case, you should clean the drive.
The tool starts and then slows down	The compressor does not provide enough air. The tool starts by the air collected in the tank of compressor. As the tank is emptying, the compressor has not kept pace with the refilling of air shortages. Connect the device to a more efficient compressor.
Insufficient power	Make sure that the air hoses have an internal diameter as specified. Check the air pressure, whether it is set to the maximum value. Make sure that the tool is properly cleaned and lubricated. In the absence of results, submit the tool for repair.

Parts support is available for this product. To obtain a parts listing and/or diagram, please log on to www.sealey.co.uk, email sales@sealey.co.uk or telephone 01284 757500.



Environmental 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 off any fluids (if applicable) into approved containers and dispose of the product and the fluids according to local regulations.



WEEE Regulations

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

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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