



# RANDOM ORBITAL ELECTRIC SANDER

DIAMETER 150MM 400W/230V

MODEL NO: OS400

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 instruction manual



Wear protective gloves



Wear eye protection



Wear face mask



Wear ear protection



Keep tool dry

## 1. SAFETY

### 1.1. ELECTRICAL SAFETY

- WARNING!** It is the user's responsibility to check the following:  
Check all electrical equipment and appliances to ensure that they are safe before using. Inspect power supply leads, plugs and all electrical connections for wear and damage. Sealey recommend that an RCD (Residual Current Device) is used with all electrical products. You may obtain an RCD by contacting your local Sealey stockist.  
If the product is used in the course of business duties, it must be maintained in a safe condition and routinely PAT (Portable Appliance Test) tested.  
Electrical safety information, it is important that the following information is read and understood.
- 1.1.1. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
- 1.1.2. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that they are secure.
- 1.1.3. **IMPORTANT:** Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating in these instructions.
  - \* **DO NOT** pull or carry the appliance by the power cable.
  - \* **DO NOT** pull the plug from the socket by the cable. Remove the plug from the socket by maintaining a firm grip on the plug.
  - \* **DO NOT** use worn or damaged cables, plugs or connectors. Ensure that any faulty item is repaired or replaced immediately by a qualified electrician.
- 1.1.4. This product is fitted with a BS1363/A 13 Amp 3 pin plug.  
If the cable or plug is damaged during use, switch the electricity supply and remove from use.  
Replace a damaged plug with a BS1363/A 13 Amp 3 pin plug. If in doubt contact a qualified electrician.

Class II products are wired with live (brown) and neutral (blue) only are marked with the Class II symbol;



- A) Connect the BROWN live wire to the live terminal 'L'.
- B) Connect the BLUE neutral wire to the neutral terminal 'N'.
- C) After wiring, check that there are no bare wires and ensure that all wires have been correctly connected.

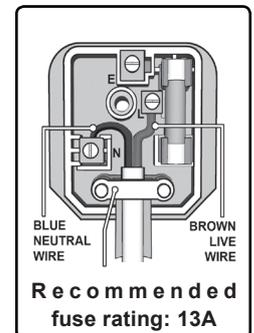
Ensure that the cable outer sheath extends inside the cable restraint and that the restraint is tight.

**DO NOT** connect either wire to the earth terminal.

Sealey recommend that repairs are carried out by a qualified electrician.

### 1.2. GENERAL SAFETY

- WARNING!** Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
- WARNING!** Disconnect from electrical power before changing accessories or servicing.
- ✓ Maintain the sander in good condition (use an authorised service agent).
- ✓ Replace or repair damaged parts. Use genuine parts only.
- ✓ Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Use sander in a suitable work area. Keep area clean, tidy and free from unrelated materials. Ensure that there is adequate lighting.
- ✓ Before use, check abrasive pad condition. If worn or damaged replace immediately.
- 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 use, sander noise level may exceed 85dB - in which case wear safety ear defenders.
- ✓ Remove ill fitting clothing, ties, watches, rings, other loose jewellery and contain and/or tie back long hair.
- ✓ Wear appropriate protective clothing and keep hands and body clear of moving parts.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ Always use the sander with the side handle securely screwed in.
- ✓ Ensure the workpiece is correctly secured before operating the sander. Never hold workpiece by hand and check the workpiece to ensure there are no protruding nails, screws, rivets, etc.
- ✓ Avoid unintentional starting.
- \* **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. This may cause failure and/or injury.
- ☐ **WARNING! DO NOT** sand any materials containing asbestos.
- ✘ **DO NOT** carry the sander by the electrical cable.
- ✘ **DO NOT** use sander with water, get the sander wet or use in damp or wet locations, the sander is for dry use only.
- ✘ **DO NOT** operate sander if you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✘ **DO NOT** use where there are flammable liquids, solids or gases such as paint solvents or waste wiping or cleaning rags.
- ✘ **DO NOT** leave the sander running unattended.
- ✘ **DO NOT** carry the sander with your finger on the power switch.
- ✓ When not in use disconnect from power supply and store in a safe, dry, childproof area.

**LEAD PAINT WARNING!**

Paint once contained lead as a traditional ingredient. The dust from the removal of such paint is toxic if inhaled or ingested and must, therefore, be avoided. The following action must be taken before using the sander on a surface that you suspect may have contained lead in the paint.

1. User must determine potential hazard relating to age of paint to be removed. (Modern paints do not contain lead).
2. **DANGER!** Keep all persons and pets away from the work area. The following are particularly vulnerable to the effects of lead paint dust: *Expectant women, babies and children.*
3. We recommend personal protection by using the following safety items:
  - a) Paint Spray Respirator (Sealey ref: SSP1699)
  - b) PE Coated Hooded Coverall (Sealey ref: SSP266)
  - c) Latex Gloves (Sealey ref: SSP24)
4. Take adequate measures to contain the paint dust, flakes, and scrapings.
5. Continue to wear safety equipment as in 3 above, and thoroughly clean all areas when task is complete. Ensure that paint waste is disposed of, in sealed bags or containers, according to local authority regulations.

## 2. INTRODUCTION

5mm Orbit designed specifically for use on car body work repairs. Six stage variable speed control from 4000-10000rpm. Ergonomic rubberised gear head casing for added comfort and grip during use. Fitted with 5m mains cable. Supplied with Ø150mm hook and loop backing pad, spare brushes and hex key.

## 3. SPECIFICATION

Model No: .....	<b>OS400</b>
Pad Size: .....	Ø150mm
Motor Power: .....	400W
Supply: .....	230V
No Load Speed: .....	4000-10000rpm
Orbit Size: .....	Ø5mm
Weight: .....	2.01kg
Thread size .....	M8
Noise power .....	88dB(A)
Noise pressure .....	77dB(A)
Vibration .....	3.6m/s <sup>2</sup>
Uncertainty .....	1.5m/s <sup>2</sup>

## 4. OPERATION

- ☐ **WARNING!** Before use, ensure that you have read and understood Section 1 Safety Instructions.

**NOTE:** The sander is designed for dry use only. **DO NOT** use with water or any other liqui

### 4.1. INSTALL HOOK AND LOOP BACKPLATE

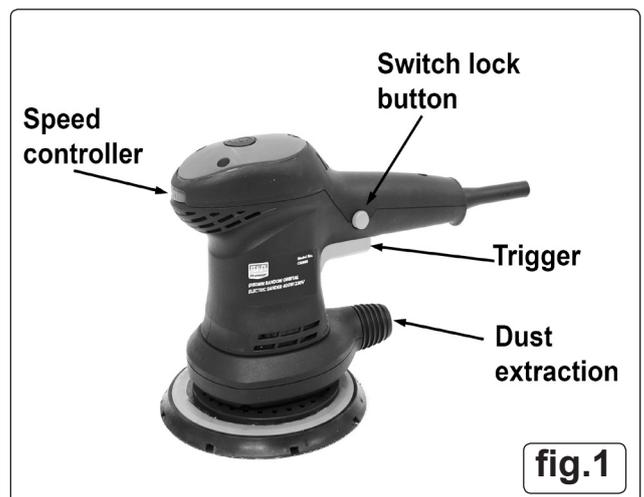
- 4.1.1. With the tool unplugged from the power supply, place it on a tool rest with the spindle upright.
- 4.1.2. Firmly attach backplate to the machine spindle using bolt and hex key supplied while ensuring engagement of hexagonal spindle.
- 4.1.3. Attach sanding disc to backing plate ensuring it is centred. If using sanding discs with holes, align the holes on disc and backing plate to aid dust extraction.

### 4.2. STARTING AND STOPPING

- 4.2.1. Plug the sander into the power supply.
- 4.2.2. The sander has a six position speed controller numbered 1 to 6 offering speeds from 4000 to 10,000 RPM (fig.1).
- 4.2.3. Set speed control to required value and pull the trigger to start. To stop the machine release the trigger.
- 4.2.4. For continuous operation press the switch lock button to lock the trigger (fig.1). Pull the trigger again to stop the tool.

### 4.3. DUST COLLECTION

- 4.4. The sander is equipped with a multi-holed backing plate.
- 4.4.1. Dust collection can be enhanced by use of sanding discs with corresponding holes.
- 4.4.2. Align the holes when attaching sanding disc to the backing plate.
- 4.4.3. The sander has a self-vacuum function which, when connected to either a dust collection bag or vacuum cleaner, can improve dust collection. (Rubber connector supplied),



## 5. MAINTENANCE

- ❑ **WARNING!** Disconnect sander from power supply before changing accessories, servicing or performing maintenance. Replace or repair any damaged parts. Use genuine parts only, unauthorised parts may be dangerous and will invalidate the warranty.
- 5.1. After each 50 hours use (or as required), remove dust by blowing air through the side vents and around the pad bearing. Regular cleaning will prolong the life of the sander.
- 5.2. Change pads when required. Ensure pad and disc RPM ratings are equal to, or exceed the machine rating. If the disc becomes unbalanced, it will cause the bearings to wear. To change the backing pad remove the backplate using the hex key. Replace the pad and secure (Section 4.1).
- 5.3. When not in use store in a safe, dry, childproof location.
- 5.4. All other service and maintenance be carried out by an authorised Sealey stockist.

### **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):** 3.6m/s<sup>2</sup>  
**Uncertainty value(k):** 1.5m/s<sup>2</sup>

*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](http://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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