



RANDOM ORBITAL SANDER 125MM



TSOS3

www.thetoolshed.co.nz

TABLE OF CONTENTS

Product Details.....3
Specifications.....4
Product Identification.....5
Safety Guidelines.....6
Assembly.....9
Operation.....10
Maintenance & Cleaning.....11
Parts Diagram.....12

Thank You

For the purchase of this ToolShed product. We try our hardest to supply customers like you with the best quality products available, at the best price possible. We cant wait to continue working together in the future.

Please contact us for any servicing, replacement parts, or questions you might have about your ToolShed product by visiting our website, or calling: 0800 948 665.

PRODUCT DETAILS

<i>Product Model</i>	<i>ToolShed Random Orbital Sander</i> 125mm
<i>Product Code</i>	TSOS3

DISTRIBUTED BY:



Note:

This manual is for your reference only. Due to the continuous improvement of the ToolShed products, changes may be made at any time without obligation or notice.

Warranty:

This product may be covered under The ToolShed warranty. For more information, see our Terms & Conditions at www.thetoolshed.co.nz

SPECIFICATIONS

Voltage	230 Volts 50 Hz
Power Rating	480 Watts
Sanding Surface	120 mm Ø
Disk Size	125 mm Ø
No Load Speed	3,000–12,000 RPM
Sound Pressure Level	80.7 dB(A)
Net Weight	2.3 KG

PRODUCT IDENTIFICATION



- 1 Speed Regulation Dial
- 2 On/Off Switch
- 3 Soft Grip Rubber Handle
- 4 Front Handle
- 5 Front Handle Adjustment Knob
- 6 Backing Pad
- 7 Dust Extractor Port
- 8 125mm Sanding Disk (Included)
- 9 Dust Extraction Bag (Included)

SAFETY GUIDELINES

WARNING

READ ALL SAFETY WARNINGS & INSTRUCTIONS. Failure to follow instructions and warnings could lead to serious injury, electric shock, or fire.

Work Area Safety

- **Ensure that your work area is kept well lit and clean.** Lack of visibility and clutter greatly increase the risk of accident when using tools.
- **Keep bystanders, pets, and children clear when operating a power tool or machine.** They can cause distraction or risk injury to themselves.
- **Ensure you are not operating the power tool or machinery in the presence of dust, liquids, flammable gases, or anything that creates an explosive atmosphere.** Power tools and machinery can create sparks which can lead to ignition and fire hazards in working environments.

Personal Safety

- **Always wear personal protective equipment (PPE).** Eye protection, ear protection, dust masks, and other protective equipment will help to reduce the risk of personal injury or long-term illnesses.
- **Dress appropriately. DO NOT wear loose clothing that can get caught in moving parts.** Keep hair, loose clothing, jewellery, and

anything else that could be of risk, away from moving parts in the machine, or they could be caught therein.

- **Always remain alert and DO NOT operate power tools or machinery under the influence of any substances like alcohol or drugs, including prescription medications.** Lack of focus could lead to injury or accident while operating these power tools and machinery.
- **Always ensure proper footing and balance.** Overreaching can lead to slipping and falling which can result in injury or accident.
- **Ensure the power switch is in the OFF position before connecting any battery, or power source to the power tool or machinery.** This can cause injury as tools and machinery can suddenly fire incidentally when live, causing accidents.
- **Use all provided dust collection and extraction attachments, if included.** This equipment, along with the use of PPE dust masks, can help keep you safe from dust, and keep your work site clear from hazards.
- **Ensure loose parts such as wrenches or adjusting keys are removed before starting the power tool or machinery.**

SAFETY GUIDELINES

Electrical Safety

- **DO NOT use the power tool or machinery in raining conditions or wet areas where the power tool or machinery could get wet.** Water in the power tool or machinery can lead to electric shock.
- **Only use the power tool or machinery when the plug correctly matches the power outlet.** Modifying plugs greatly increases the risk of electric shock.
- **Keep the power cord away from anything that could damage it such as sharp edges, moving parts or heat.** A damaged power cord increases the risk of electric shock.
- **Only operate outdoors with the use of an outdoor extension lead.** Not all extension leads are suited to outdoor use and using one which is not can greatly increase the risk of electric shock.
- **Avoid body contact with grounded or earthed surfaces.** Surfaces such as radiators, ranges, pipes, and refrigerators can increase the risk of electric shock due to your body being earthed or grounded.

WARNING

Electric shock can cause serious injury or, in some cases be fatal.

Power Tool & Machinery Use & Care

- **Use the correct tool for the job.** Forcing a tool to do a job it was not designed for increases the risk of accident or injury.
- **Disconnect tools and machinery from power, or remove batteries before making any changes or adjustments, or before storing the tools and machinery.** This reduces or removes the risk of a power connection that causes the tool or machinery to accidentally fire, which can help prevent injury or accident.
- **Check the general condition of the power tool for damage or any problems that could affect the way the tool or machine works.** An unrepaired tool or machine can lead to accident and injury. Only have your tool or machine repaired with genuine parts from The ToolShed.
- **Only use the power tool and machinery with genuine parts or accessories that are designed to be used with the power tool and machinery.** Failure to do so could result in accident or injury or damage your tool or machinery.
- **Store your tool or machinery out of reach of children, and away from untrained personnel when not in use.** Use by somebody untrained, or a child, could lead to accident or serious injury.

SAFETY GUIDELINES

Servicing

- **Have your tools and machinery serviced at The ToolShed with ToolShed replacement parts.** This will ensure that the safety of the power tool or machine is maintained.

Sander Specific Safety

- Always remove the sander's plug from the socket before doing any work on the Sander (cleaning, changing sanding disks etc.)
- For the sake of your health, always wear adequate PPE gear, such as a dust mask and safety goggles, before you start sanding.
- Before you commence sanding, ensure you have adequate footing and an even floor surface so you do not slip during operation.
- It is best practice for the longevity of the machine to keep the sander clean at all times and check for damage before and after each use.
- If you discover any damage on the machine, consult the parts list and contact your nearest ToolShed distributor for assistance and replacement parts.
- The noise level during use may exceed 85 dB(A), in which case it is advised to use ear muffs.
- Vibration is measured in accordance to ISO 5349.

Usage

- The Random Disk Orbital Sander is designed for the use of sanding and polishing of wood, plastic, and similar materials when using the correct sanding paper.

ASSEMBLY



WARNING

In the interest of your short, and long term health, always use the provided dust bag when operating the sander.

Attaching the Dust Bag

- Dust is extracted through the sanding disk and backing pad straight into the dust bag.
- Simply slide the dust bag attachment into the tool as shown in the image below.

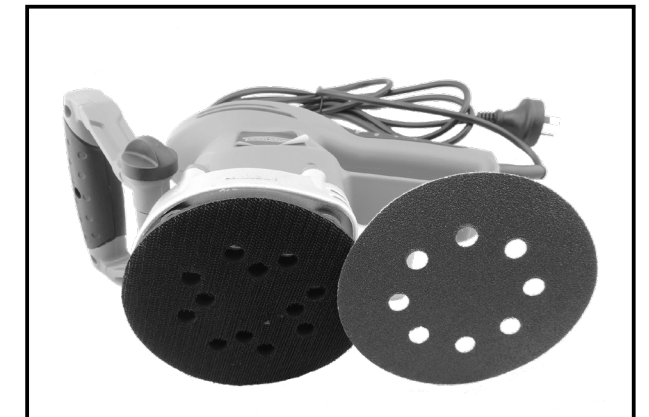


WARNING

Ensure the cooling vents on the motor housing remain clean and unobstructed at all times.

Fitting the Sanding Disk

- Disk replacement is an ease due to the Velcro backing on the disk and pad.
- Ensure the markings on the disk align with those on the backing pad, and simply connect.



Replacing the Backing Pad

- Unplug the machine, and unscrew the four screws on the bottom of the backing pad.
- Change and replace the backing pad, ensuring screws are tightened before operation.



WARNING

Damaged backing pads must be replaced immediately. Always unplug the machine before changing parts.

OPERATION

Switching the Sander On & Off

- To start the machine; Press the On/Off switch (1) atop the machine.
- To operate the machine; ensure the switch is in the ON position and is set to the correct speed using the regulation dial.
- To turn the machine off; Press the On/Off switch (1).
- This sander can be used intermittently, or continuously.



Speed Regulation

- To change the sanding speed, adjust the Speed Regulation Dial on the top front of the sander (2) to achieve the desired speed, set between 1 and 6.

Front Handle Adjustment

- To change the position of the Front Handle either higher or lower, turn the black knob at the base of the handle (3) Counter-Clockwise to loosen, and adjust to a comfortable placement for use. Once in position, tighten the knob Clockwise to secure in place.

Working With the Sander

- The entire sanding disk surface must rest evenly on the surface of your project.
- Switch on the machine, and while applying moderate pressure, guide the sander to move in circular, cross-wise, or lengthwise motions across the surface of your project.
- Use a coarse-grained disk for rough sanding jobs, and a finer grained disk for more delicate jobs.
- Always test your surface prior to commencing to ensure you have the right sanding grain for the job



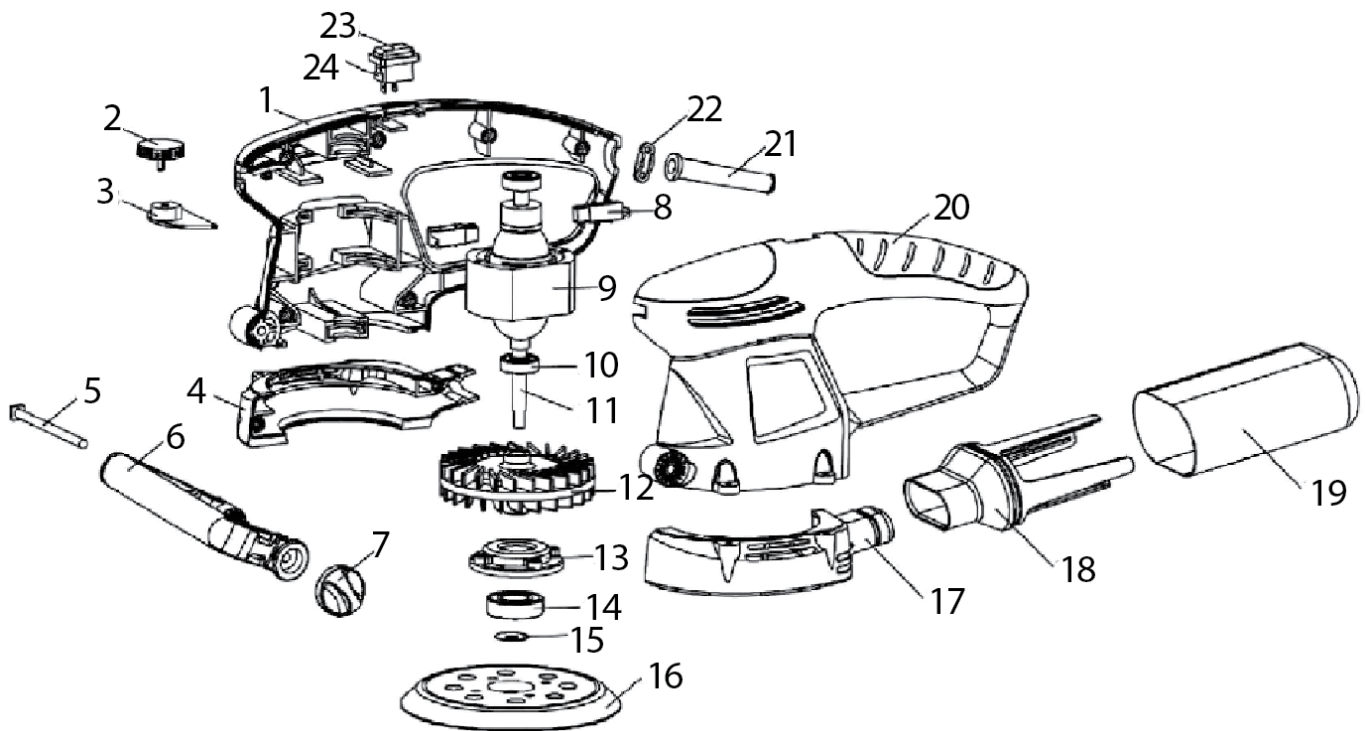
CAUTION

Always wear a dust mask and goggles when operating this machine. Protective gloves and Ear Muffs are also recommended.

MAINTENANCE & CLEANING

- Before cleaning or performing any maintenance, you must ensure the tool is switched off and disconnected from the power supply.
- Compressed air is the most effective way to clean this tool. Always wear PPE safety goggles when cleaning tools with compressed air.
- Check the carbon brushes of the machine in the event of excessive sparking.
- Ventilation openings and switch levers must be kept clean. DO NOT attempt to clean by inserting pointed objects through openings.
- Do not use chemicals when cleaning this tool.
- If you discover any damaged or broken parts, consult your nearest ToolShed for replacements and advice.

PARTS DIAGRAM



- | | |
|-----------------------------------|----------------------------|
| 1 Right Enclosure | 13 Bearing Base |
| 2 Velocity Modulation Knob | 14 Bearing 6002 |
| 3 PCB | 15 Butterfly Spring |
| 4 Right Underpan | 16 Pliable Plate |
| 5 Stud M5 | 17 Left Underpan |
| 6 Aspect Handle | 18 Stand |
| 7 Knob | 19 Connecting Rest |
| 8 Carbon Holder | 20 Left Enclosure |
| 9 Stator | 21 Cord Sleeve |
| 10 Bearing 608 | 22 Cord Clamp |
| 11 Rotor | 23 Dust Shield |
| 12 Counterbalance | 24 Switch |