DRYWALL SANDER
PORTABLE 180MM 800W

TSDWSP

www.thetoolshed.co.nz

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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

Product Model	*ToolShed Drywall Sander Portable 180mm 800W*
Product Code	*TSDWSP*

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.

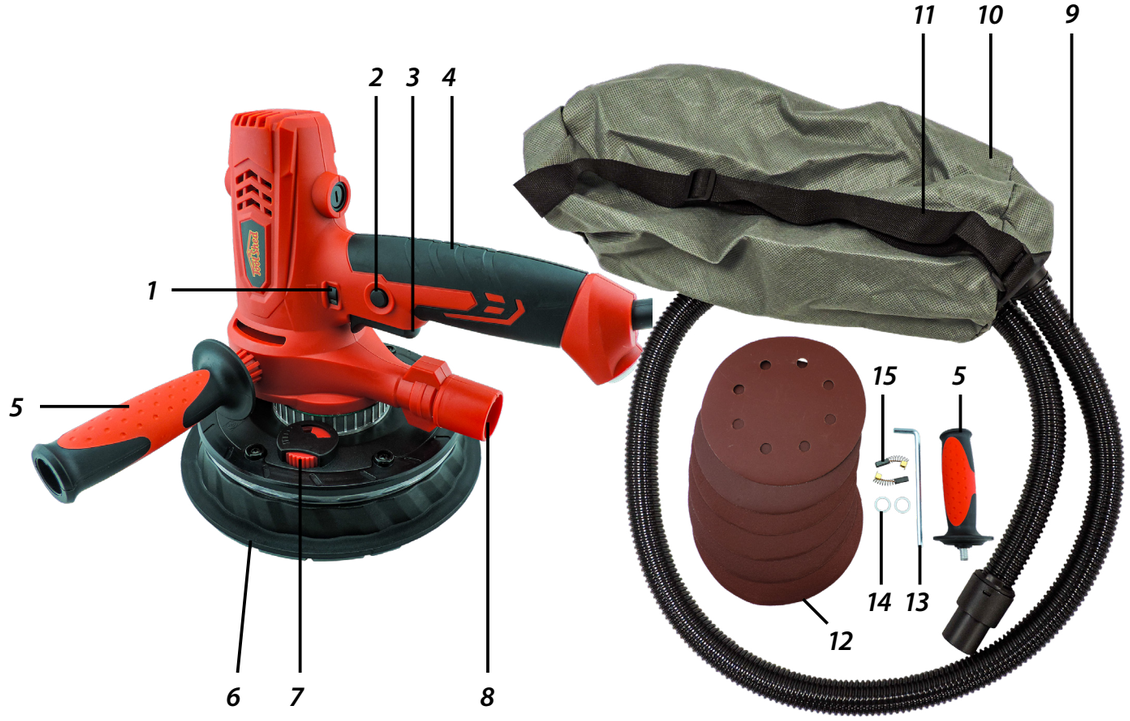
Warranty:

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

SPECIFICATIONS

Power	800 Watts
No Load Speed	1200–2300 RPM
Sanding Pad Diameter	180mm Ø
Sanding Disk Diameter	190mm Ø
Dust Port	35mm Ø
Net Weight	2.27kg
Protection Class	Class II

PRODUCT IDENTIFICATION



1 Variable Speed Dial
2 Lock-On Button
3 On/Off Trigger
4 Rubber Grip Handle
5 Adjustable Side Handle
6 Hook & Loop Sanding Base
7 Vacuum Speed Control
8 Dust Extraction Port
9 Dust Extraction Hose
10 Dust Bag
11 Shoulder Belt
12 Sand Paper X6
13 Hex Key
14 Washer X2
15 Carbon Brush X2

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 clean and well lit.** Lack of visibility and clutter greatly increase the risk of accident when using tools.
- **Keep bystanders, pets, and children clear when operating this 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 can create 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 become caught therein.
- **Always remain alert and DO NOT operate power tools or machinery under the influence of any substances such as alcohol or drugs, including prescription medications.** Lack of focus could lead to injury or accidents 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 rainy conditions or wet areas where the power tool or machinery could get wet.** Water in this 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.
- **Never carry the power tool by the cord, or yank the cable from the power outlet.** This can damage the internal wiring and may become a hazard.

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 doing any maintenance 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 this 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

Service

- **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.

WARNING

The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Always Use Common Sense

- It is not possible to cover every conceivable situation you can face. Always exercise care and use your common sense. If you get into a situation where you feel unsafe, stop and seek expert advise. Contact your dealer, service agent, or an experienced user. Do not attempt any task you feel unsure of!
- **Do not let familiarity gained from the frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

Drywall Sander Specific Safety

WARNING

This machine is designed for sanding drywalls, ceilings, interior or exterior walls, as well as clearing floor residues, paint coatings, adhesives, and loose plaster, among other materials.

However, please note that this machine is not suitable for processing objects containing asbestos.

- Do not use the drywall sander for work it was not designed to do, such as rough grinding or wire brushing. This may lead to accidents or property damage.
- Only use identical replacement parts when servicing this tool, contact your nearest ToolShed for parts and advise.
- Any accessory used with this tool must have the same maximum speed as the drywall sander.
- Do not use the drywall sander if it or any accessories appear damaged. Always check each part of the drywall sander before each use, including all pads and disks.
- Do not place the machine down unless it has come to a complete stop. Otherwise, you may lose control of the machine causing harm or damage.
- Regularly clean any exhaust ports and vents on the drywall sander to prevent overheating or electrical hazards.

SAFETY GUIDELINES

- Always operate this tool with both hands gripping the insulated handles properly to ensure proper control of the drywall sander.
- Always ensure you are using the correct size sanding paper. Too large of a disk can lead to injury or cutting/damaging your workpiece.
- As a minimum Personal Protective Equipment (PPE) requirement, always wear industrial safety gloves, safety goggles, and a protective dust mask.
- It is highly recommended that you do not wear loose clothing, jewellery, or loose hair while operating this tool.
- Ensure that persons standing near the machine are at a safe distance from the work area. All persons in the work area must wear adequate PPE.
- Keep the power cable away from the tool's moving parts and away from your own person. If you lose control, the power cable could be cut or become stuck and your hand or arm could be drawn into the rotating parts.
- Never allow the machine to operate while carrying it at your side. The rotating tool can catch on your clothing by accident and cause serious injuries.
- Harmful/toxic dusts can be produced during your work (e.g. lead-containing paint, some types of wood and metal). Contact with these dusts, especially inhaling them, can represent a hazard for operating personnel or persons in the vicinity. Connect the electric power tool to a suitable extraction system. To protect your health, wear a PPE dust mask.

Always be Aware of Kickback!

A kickback is a sudden reaction to jamming or catching of a rotating disc, a support plate, or other accessory. Jamming or catching results in a rapid standstill of the rotating accessory, whereby, as a counter-reaction, an out-of-control machine is accelerated around the jamming point in a direction of rotation opposed to the accessory.

- Always hold the machine firmly and position your body and arms in such that you can control any kickback force. Always use the auxiliary handle, if included, to ensure optimum control over kickbacks or reaction torques during start-up.
- Never place your hands near rotating tools. Tools can kick back over your hand.
- Never position your body in the area in which the machine moves in the event of a kickback. A kickback accelerates the machine in the direction of rotation opposed to the disc at the jamming point.
- Take extra care when working in corners, on sharp edges, or awkward positions. Avoid kickbacks and prevent the tool from seizing. Corners, sharp edges or a jump back tend to cause the rotating tool to catch, thus leading to a loss of control or a kickback.

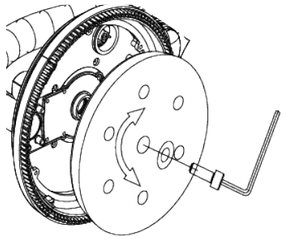
ASSEMBLY

⚠ WARNING

Before commencing operation, ensure the plug you are about to connect the drywall sander to is rated to accommodate the sander.

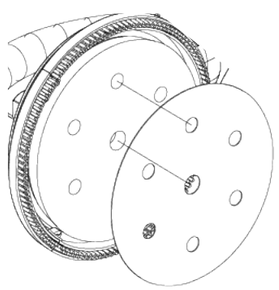
Installing the Sanding Pad

- Install the sanding pad by holding the sanding head firmly with one hand, then insert the supplied Allen Key (size 5) into the hexagonal screw bolt on the sanding pad. Turn the Allen key to mount the pad to the sanding base.



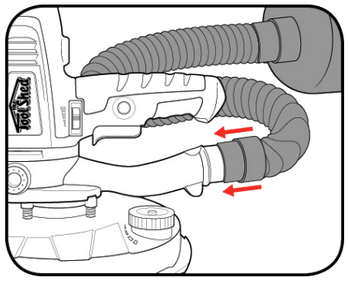
Fitting the Sandpaper

- The Hook and Loop system on the sanding pads and disks make installing the sanding disks very easy. Simply ensure the holes in the sandpaper align with the holes on the sanding pad for optimal dust extraction.

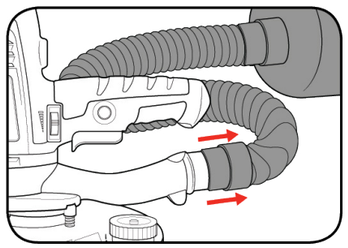


Fitting the Dust Bag

- This Drywall Sander comes with a large dust collection bag as a precaution for a safe work environment and easy clean up.
- Simply push the connector of the dust hose to the dust port on the sander.

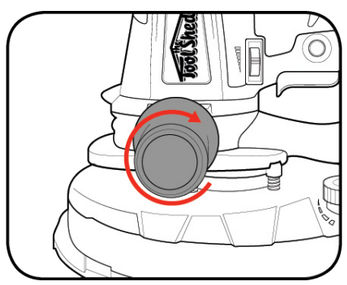


- To remove the dust bag, simply pull on the dust hose connector to release from the sander.



Fit the Side Handle

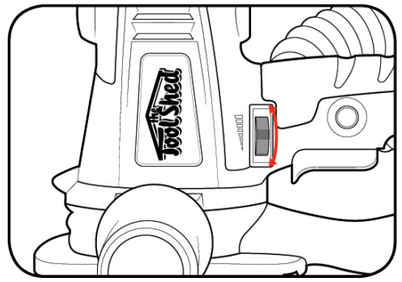
- The auxiliary handle can be fixed to the left or right hand side according to your convenience. This handle should be used all the time to maintain complete control of the tool.



OPERATION

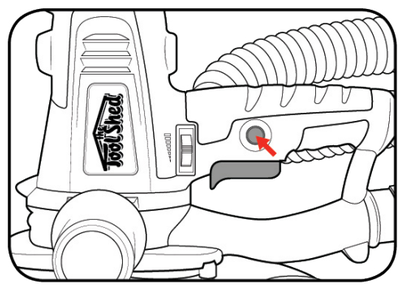
Variable Speed Dial

- You can adjust the speed of the sander from 1200RPM to 2300RPM by turning the speed wheel. This enables you to set the sanding speed for different applications or sanding surfaces.



Lock On Button

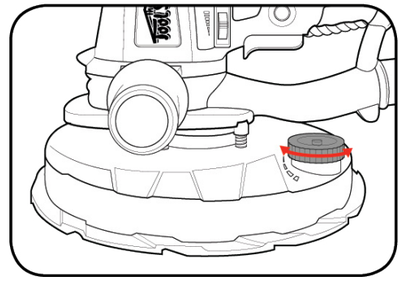
- The lock-on Button helps reduce user fatigue and improves handling as you do not have to continually press the trigger button for operation at longer periods.
- The lock-on is enabled when the trigger is pressed, and the push-lock button next to the trigger is also depressed, the trigger will stay locked in place.



- To release the lock-on, simply push the trigger once, and both buttons will unlock.

Suction Power Adjustment

- There is an easily accessible dial located on the head of the sander used to adjust the suction power of the integrated dust extraction system.
- Turning the dial clockwise will reduce the suction power.
- Turning the dial counter-clockwise will increase the suction power.



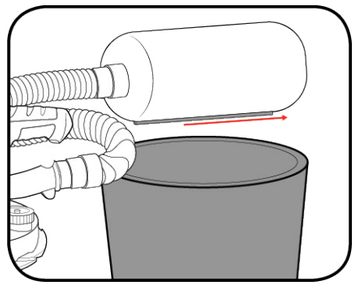
Sanding Adjacent Edges

- The detachable brush segment on the front of the sanding head means you can reach right up to the edge of any surface or corner with ease.

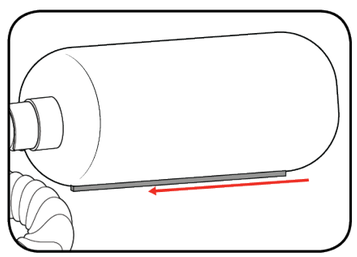
OPERATION

Emptying the Dust Bag

- This Drywall Sander comes with a large dust collection bag as a precaution for a safe work environment and easy clean up.
- Best practice is to empty the dust bag when it is half full, so the machine can continually extract dust to the best of its ability.
- Slide the plastic clip at the base of the dust bag sideways to open the bag and empty. Preferably this will be done over a bin or rubbish collection.



- Once emptied, reseal the bag by sliding the plastic clip back on the bag as it was removed in the first step.



Best Usage Tips

- Do not try to control or hold the sanding head while in operation.
- Always operate the Drywall Sander by holding with both hands firmly on both ergonomic handles.
- Do not apply excessive pressure while sanding. Best sanding results are achieved by using the motion and weight of the machine itself.
- Keep the motor running for a short period after sanding so any residual dust can be collected in the dust collection bag.

MAINTENANCE

- 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 harsh chemicals or solvents when cleaning this tool.
- If you discover any damaged or broken parts, consult your nearest ToolShed for replacements and advise.
- We recommend the best time to clean this tool is every time after you finish using it.
- When the carbon brushes wear out, the sander will spark and/or stop. Discontinue use as soon as this happens. They should be replaced prior to recommencing use of the sander.

TROUBLESHOOTING

FAULT	*POSSIBLE CAUSE*	*SUGGESTED SOLUTION*
The Switch is On, but the Motor is Not Working	Wires in the mains plug or socket are loose	Have the socket or plug checked and/or repaired.
	The switch is faulty	Have the switch replaced.
The Operating Switch is Switched On, but Unusual Noises can be Heard, the Motor doesn't Work, or Works Very Slowly	Switch contact has failed	Have the switch replaced.
	Component jammed	Have the Drywall Sander checked or repaired.
	Too much thrust, as a result the motor is dragging	Use less thrust while sanding.
Motor Gets Too Hot	Foreign substances have gotten inside the motor	Remove the foreign substances and clean the sander.
	Lack of grease, or contaminated lubrication grease	Apply, or clean and reapply lubrication grease.
	Pressure too high	Use less thrust while sanding.
Frequent or Strong Sparks on the Commutator	Short circuit on the armature	Have the armature replaced.
	Carbon Brushes are worn out or jammed	Have the Carbon Brushes checked or replaced.
	Rough running of the commutator	Have the surface of the commutator cleaned or ground.

1	Velcro Sandpaper
2	Hex Screw M6×22
3	Tower-Type Spring X2
4	Φ180 Sanding Pad
5	Output Shaft
6	Key 3×3×8
7	Compression Spring
8	Screw ST4×10
9	Flat Washer Φ4
10	Suction Adjust Knob
11	Screw ST3×10 X2
12	Shield Cover
13	Wearable Ring A
13A	Wearable Ring B
14	Screw ST4×25 X6
15	Hoods
15A	Brush Segment
16	LED Lights
16A	LED Lights Shield
17	LED Lights Up Shield
18	Oil Ring
19	Aluminium End Cover
20	6000RS Ball Bearing
21	Φ26 Collar
22	Paper Washer
23	Big Gear
24	Φ10 Wire Ring
26	608RS Ball Bearing
27	Cooling Loop
28	Bearing 608ZZ X2
29	Φ10 Oil Seal
30	Rotor
31	Stator
32	Flat Washer Φ8
33	Φ22 Bearing Sleeve
34	Internal Light Line
36	Seal Belt Φ1.2
37	Auxiliary Handle
38	Left Housing
39	Pressboard For Cable
40	Screw ST4×16 X19
41	Carbon Brush Cap X2
42	Carbon Brush X2
43	Carbon Brush Holder X2
44	Carbon Brush Tension Spring X2
45	Speed Controller
46	Capacitor
47	Switch
48	Inductance X2
49	Cable Sleeve
50	LED Switch
51	LED Control Panel
52	Cable and Plug
53	Right Housing
54	Dust Bag
55	Vacuum Hose
56	Φ35 Connector
57	S5 Hexagon Wrench