



ELECTRIC CHAINSAW SHARPENER AUTO LOCK



TSCS1

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	<i>ToolShed Electric Chainsaw Sharpener Auto Lock</i>
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Product Code	<i>TSCS1</i>
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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.

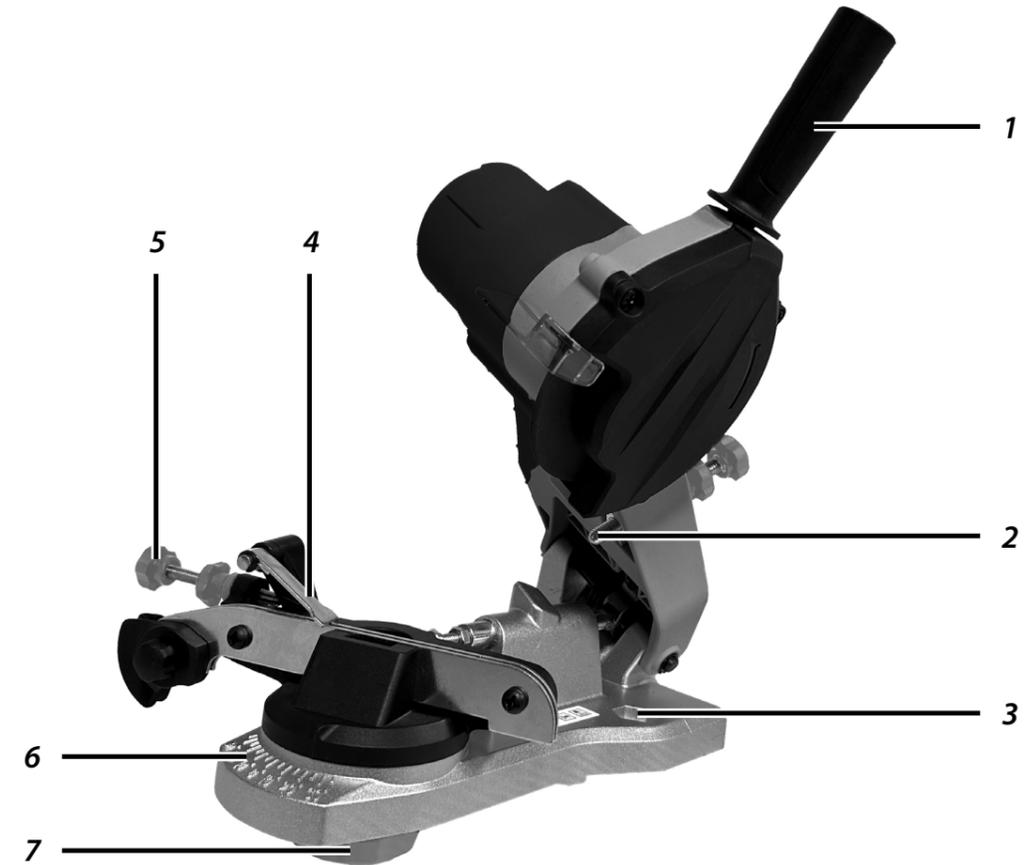
Warranty:

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

SPECIFICATIONS

Motor	230 Volts 50 Hertz
Power	85 Watts
Speed	5000 RPM
Vice Capacity	12.7 – 20mm (0.80" – 0.50")
Table/Vice Angles	35° Right to Left
Arbor Diameter	22.23mm Ø
Wheel Dimensions	104mmØ. X 3.2mm Thick
Weight	2.5kg

PRODUCT IDENTIFICATION



- 1 Handle
- 2 Depth Stop
- 3 Bench Mounting Holes
- 4 Chain Stop
- 5 Chain Stop Adjustment
- 6 Chain Pitch Scale
- 7 Locking Nut

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.**



WARNING

This machine is designed to sharpen chainsaw chains. Do not attempt to sharpen any other tools, and do not attempt to grind any other objects.

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 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.

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.

SAFETY GUIDELINES

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 advice. 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.

Chainsaw Sharpener Specific Safety

- **Do not use a grinding wheel if it is chipped, cracked, or worn.** You can check if the wheel has cracks not visible to the human eye by hanging it up by the arbour/central hole and tapping it with a non-metal object (i.e.: screwdriver handle). If it is in good

condition it will produce a metallic sound. A dull sound indicates a crack or break in your wheel that needs replacing.

- Only use grinding wheels that fit the arbor 23mm (7/8"). Do not try to change or modify the mounting hole on a grinding wheel to make it fit.
- Do not over-tighten the Upper Valve. Hand tighten it only. Over-tightening may cause the wheel to break or disintegrate.
- Never use the chain saw sharpener without the Grinding Wheel Cover in place.
- Always test the Grinding Wheel by letting it run for 1 minute prior to contact with a chain.
- Keep away from the wheel when it is spinning, and ensure no one is standing close and in the line of the wheel rotation trajectory.
- If the grinding wheel vibrates, turn off the machine immediately and check that it is mounted securely, also that it is not damaged.
- Never try to stop the grinding wheel with your hands, even if you are wearing safety gloves. The wheel will cut through gloves and your hand, causing serious injury.
- When buying replacement grinding wheels, the listed speed must meet or exceed the RPM rating of this sharpener (5000 RPM).
- When moving the unit, always carry the chainsaw sharpener by the base.
- Always use safety gloves when handling the grinding wheel. Keep spare grinding wheels clean and free of dust, metal debris and dirt.

ASSEMBLY

WARNING

This machine is designed to sharpen chainsaw chains. Do not attempt to sharpen any other tools and do not attempt to grind any other objects.

WARNING

Ensure guard is always used and not removed.

Always carry the chainsaw sharpener by the base.

Always use safety gloves when handling the grinding wheel.

Store spare grinding wheels clean and free of dust, metal debris and dirt.

WARNING

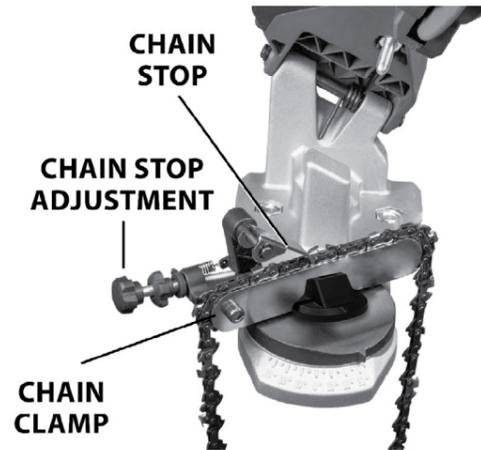
Always unplug the unit before changing grinding wheels, or when making any adjustments to the Sharpener.

1. Use two M8 bolts (not included) to fix the unit directly to the workbench through the two 1/4" holes on the base. The workbench must have a solid surface capable of supporting the weight of this sharpener, the work-piece and assorted tools.
2. Fix the clamping piece in place with the locking nut.

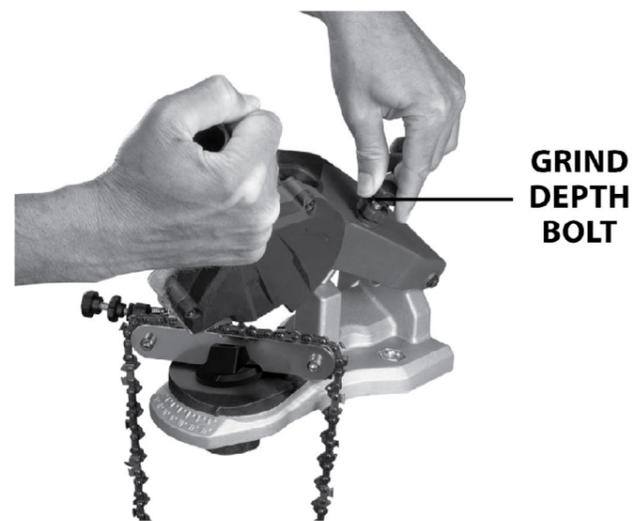


OPERATION

1. Place the chain inside the slot between the two clamping plates. Make sure the cutting edge of each tooth is towards the right.
2. Adjust the angle of the clamping piece as required, then tighten the locking nut.



3. Line the grinding wheel up with a chain tooth. Lower the head of the machine slowly and set the maximum cutting depth of the grinding wheel by adjusting the Grind Depth Bolt. **Take care to ensure the grind wheel doesn't cut into the chain link.**



4. Adjusting the Chain Stop will set the horizontal cut and allow for the optimal amount of material to be removed for efficient and accurate sharpening.



5. The Chain Stop should touch the back of a chain tooth, and the grind wheel when lowered should touch the cutting edge of the tooth.

MAINTENANCE

WARNING

Always be sure that the tool is switched off and unplugged before attempting to perform any inspection or 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.

- Keep the Sharpener clean and free of dust, metal debris and dirt.
- Check the grinding wheel before each use to make sure it isn't damaged. Do not use a grinding wheel if it is chipped, cracked, or worn. You can check if the wheel has cracks not visible to the human eye by hanging it up by the central hole and tapping it with a non metal object (ie: a screwdriver handle). If it is in good condition it will produce a metallic sound. A dull sound indicates a crack or break.
- Replace the grinding wheel when it grinds down to a diameter of 75mm (3in).

Environment & Disposal

- Packaging materials are raw materials and can be re-used. Separate the different packaging materials and take them to the appropriate waste disposal facility. More information can be obtained from your local authorities.
- Old machines do not belong in your household garbage! Dispose of old machines appropriately, we are all responsible for the environment.