





INSTRUCTIONS FOR:

CHAIN SAW BLADE SHARPENER - QUICK LOCATING 85W

MODEL No: **SMS2002C**

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.**

1. SAFETY

1.1. ELECTRICAL SAFETY

WARNING! It is the responsibility of the owner and the operator to read, understand and comply with the following:


You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage. You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices. A Residual Current Circuit Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a Residual Current Device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by an RCCB. If in any doubt consult a qualified electrician. You may obtain a Residual Current Device by contacting your Sealey dealer.

You must also read and understand the following instructions concerning electrical safety.

- 1.1.1. The Electricity at Work Act 1989 requires that all portable electrical appliances, if used on business premises, are tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.
- 1.1.2. The Health & Safety at Work Act 1974 makes owners of electrical appliances responsible for the safe condition of those appliances and the safety of the appliance operators. If in any doubt about electrical safety, contact a qualified electrician.
- 1.1.3. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply. See 1.1.1. and 1.1.2. and use a Portable Appliance Tester.
- 1.1.4. Ensure that cables are always protected against short circuit and overload.
- 1.1.5. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that none is loose.
- 1.1.6. Important: Ensure that the voltage marked on the appliance matches the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating at right.
- 1.1.7. **DO NOT** pull or carry the appliance by the power cable.
- 1.1.8. **DO NOT** pull the plug from the socket by the cable.
- 1.1.9. **DO NOT** use worn or damaged cables, plugs or connectors. Immediately have any faulty item repaired or replaced by a qualified electrician. When a BS 1363/A UK 3 pin plug is damaged, cut the cable just above the plug and dispose of the plug safely.

Fit a new plug according to the following instructions (UK only).

- a) Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.
- b) Connect the BROWN live wire to the live terminal 'L'.
- c) Connect the BLUE neutral wire to the neutral terminal 'N'.
- d) After wiring, check that there are no bare wires, that all wires have been correctly connected, that the cable outer insulation extends beyond the cable restraint and that the restraint is tight.

Double insulated products, which are always marked with this symbol , are fitted with live (brown) and neutral (blue) wires only.

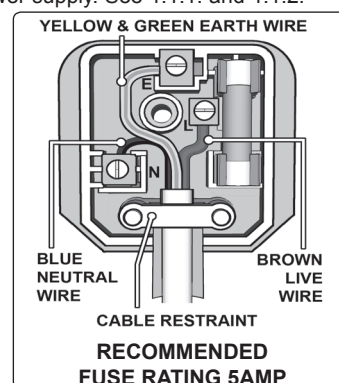
To rewire, connect the wires as indicated above -

DO NOT connect either wire to the earth terminal.

- 1.1.10. Products which require more than 13Amps are supplied without a plug. In this case you must contact a qualified electrician to ensure that a suitably rated supply is available. We recommend that you discuss the installation of an industrial round pin plug and socket with your electrician.
- 1.1.11. If an extension reel is used it should be fully unwound before connection. A reel with an RCD fitted is preferred since any appliance plugged into it will be protected. The cable core section is important and should be at least 1.5mm², but to be absolutely sure that the capacity of the reel is suitable for this product and for others which may be used in the other output sockets, we recommend the use of 2.5mm² section cable.

1.2. GENERAL SAFETY

- WARNING!** Disconnect the saw blade sharpener from the mains power, and ensure that the cutting disc is at a complete standstill before attempting to service or perform any maintenance.
- ✓ Maintain the saw blade sharpener 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.
- ✓ Locate the cut-off machine in a suitable work area. Use two M8 bolts (not included) to bolt securely to the workbench through the two 1/4" holes on the base. Ensure that the surface is flat and capable of supporting the weight of the sharpener (see fig.1). Keep the area clean and tidy and free from unrelated materials, and ensure that there is adequate lighting.
- ✓ Keep the clean for best and safest performance and check moving parts alignment regularly.
- WARNING!** Before each use check that the cutting disc is secure and that it is not worn or damaged. Test the grinding wheel by running it for a minute prior to its use. **NOTE:** Only competent persons should attempt to change discs.
- ✓ Ensure that replacement discs are not damaged in any way - cracks or deformations etc. Also check the mounting flanges to check that they are not deformed, burred or chipped. **DO NOT** over tighten a disc and never tamper with a disc in order to adapt it to a different size holder.
- WARNING!** Never operate the sharpener without the grinding wheel cover in place.
- ✓ Ensure that replacement grinding wheels meet the speed rating of the tool.
- WARNING!** This machine is designed to sharpen chain saw chains. **DO NOT** attempt to sharpen any other tools and **DO NOT** attempt to grind any other objects.
- WARNING!** Wear approved safety eye protection, ear defenders and gloves.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery and contain long hair.
- ✓ 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.



- ❑ **WARNING!** Keep away from the grinding wheel when it is turning, and make sure no one is standing close in the line of the grinding wheel trajectory.
- x **DO NOT** allow untrained persons to operate the saw blade sharpener.
- x **DO NOT** get the machine wet, or use in damp or wet locations or areas where there is condensation.
- ❑ **WARNING! DO NOT** use the saw blade sharpener where there are flammable liquids, solids or gases such as paint solvents and including waste wiping rags etc.
- x **DO NOT** operate the saw blade if any parts are missing or damaged as this may cause failure and/or personal injury.
- x **DO NOT** operate the saw blade sharpener when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✓ When not in use switch off the saw blade sharpener and remove the plug from the power supply.

2. INTRODUCTION

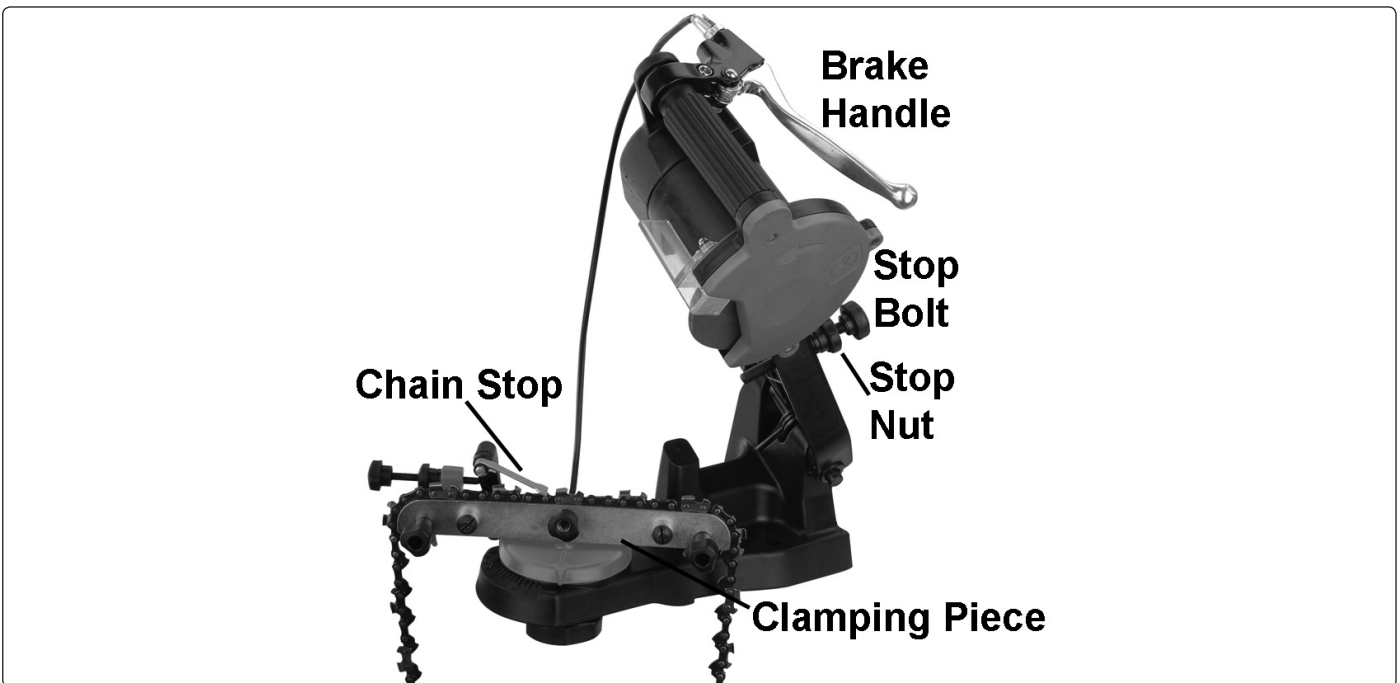
Quick, easy and safe way to sharpen a chainsaw blade. Fitted with a + or - 35° tilting vice. Will bring life back to blade, enabling safer cutting, limiting snagging, once fitted back to the machine for use.

3. SPECIFICATION

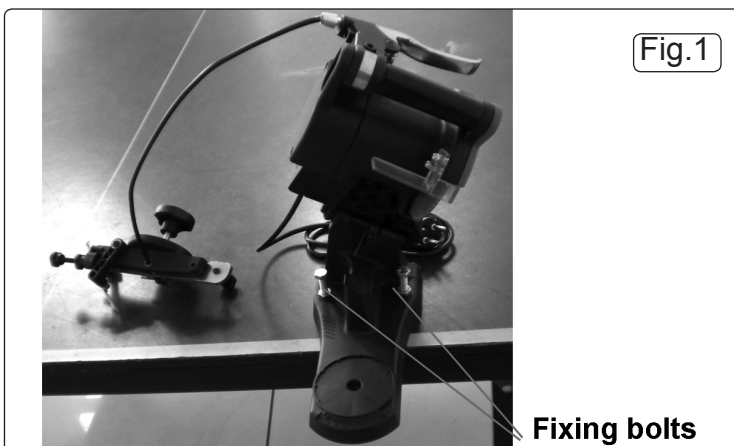
Model No: SMS2002C	Chain Sizes: 375 PITCH "S",
Motor Power: 85W - 230V 404 PITCH "S"
Free Speed: 4800rpm 3/8 LP "C" STD
Wheel Diameter: 100mm NK
Angle Adjustment: 35° (+/-) BL
Weight: 2.5kg 325 PITCH "C"

4. CONTENTS

Unpack the product and check the contents. Ensure that there is no damage. If any problem is noted, contact your supplier immediately.

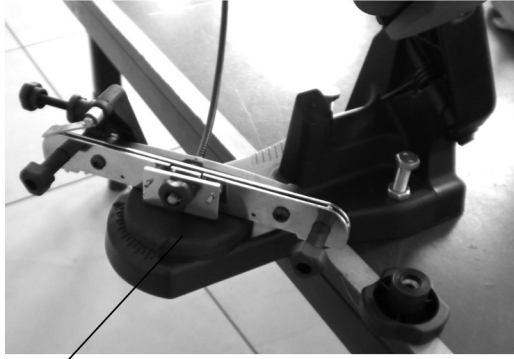


5. ASSEMBLY



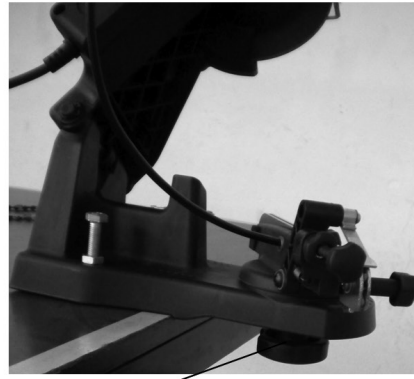
- ❑ **WARNING! Before sharpening saw blades ensure that you wear approved safety goggles, ear defenders, and safety gloves. All safety instructions in Section 1 must be followed.**
- 5.1. Use two M8 bolts (not included) to bolt securely to the workbench through the two 1/4" holes on the base. Ensure that the surface is flat and capable of supporting the weight of the sharpener (see fig.2).
- 5.2. Put the fixed base on the base (see fig.2). Adjust to the required angle and tighten the M8 nut underneath (see fig.3).

Fig.2



Fixed Base

Fig.3



M8 Nut

6.1. Put the chain saw blade inside the slot which is between the two clamping pieces. Make sure the knife edge is towards the right (see fig.4).

Fig.4



Chain Stop

A

Clamping piece

Fig.5

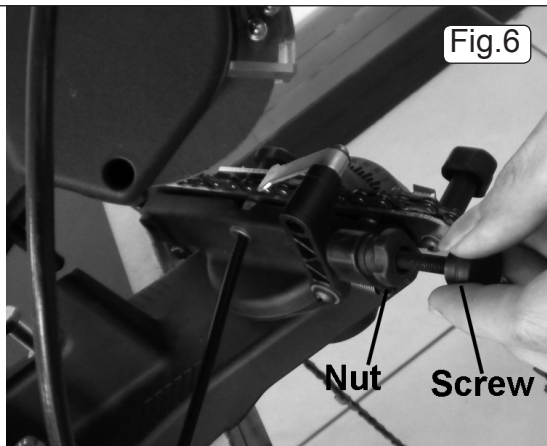


6.2. Hold the round handle to lower the head of the machine slowly and adjust the M8x85 bolt which determines the depth of cut. When the grinding wheel touches the bottom of the saw chain, tighten the nut (see fig.5).

6.3. Make sure that the chain stop is in the position shown in fig.4. To move the chain to the next tooth to be sharpened, turn knob A clockwise (see fig.4). Make sure that the saw chain is touching the grinding wheel, adjust the M6x55 screw and finally tighten the M6 nut (see fig.6).

6.4. Let the machine head return to its upright position. After checking that everything is correctly adjusted plug the device into the mains. Start the sharpener by pressing the green button.

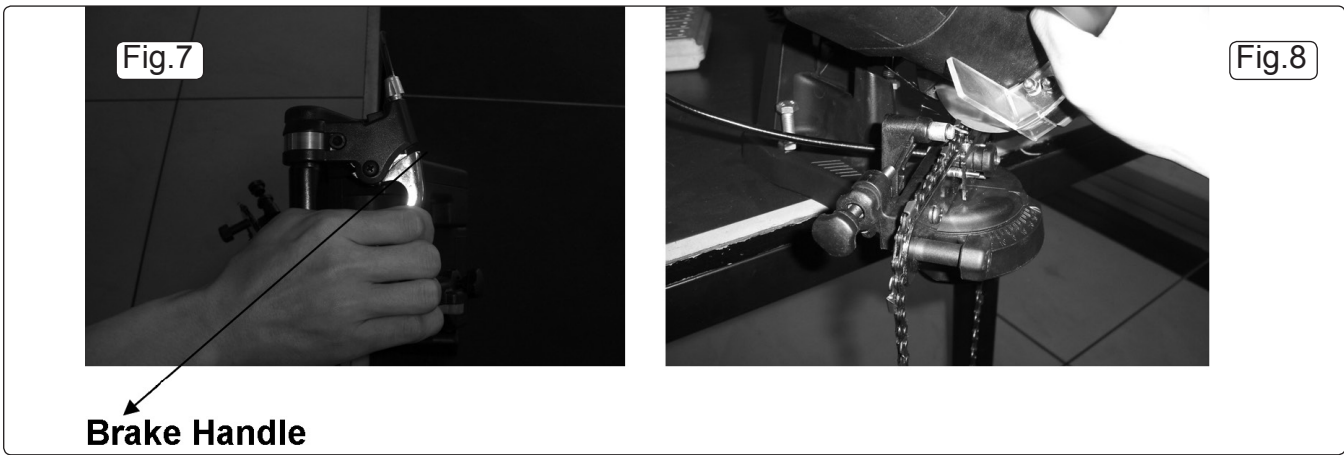
Fig.6



Nut

Screw

6.5. Lock the saw chain by grasping the round handle and the brake handle. Slowly pull the grinding wheel towards the saw chain, (see figs. 7 & 8).



6.6. After sharpening one tooth, slowly lift the machine head and let it return to its top position. Release the brake lever handle and turn knob A clockwise, so that the next link is positioned in the chain stop. Repeat step 5.5 until all the links have been sharpened up for this angle.

7. MAINTENANCE

- 7.1. Keep the sharpener clean and free of dust, metal debris and dirt.
- 7.2. Check the grinding wheel before each use for damage. **DO NOT** use a grinding wheel if it is chipped, cracked or worn.
- 7.3. To fit a new grinding wheel, ensure the machine is unplugged, remove the three screws holding the cover, hold the wheel with one hand, undo the thumbscrew and fit the new wheel. Ensure the cover is replaced before use.

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 phone 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 recycle centre and disposed of in a manner which is compatible with the environment.



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. 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.

INFORMATION: For a copy of our catalogue and latest promotions call us on 01284 757525 and leave your full name, address and postcode.

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