



BENCH MOUNTING MULTI-PURPOSE SHARPENER

MODEL NO: **SMS2004.V2**

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 instructions



Wear eye protection



Indoor use only

1. SAFETY

1.1. ELECTRICAL SAFETY

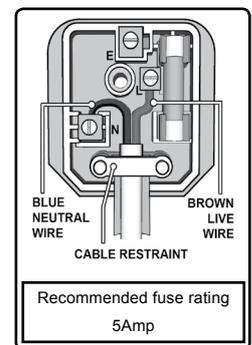
- ❑ **WARNING!** It is the user's responsibility to check the following:

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, and 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.



1.2. GENERAL SAFETY

- ✓ Disconnect the sharpener from the mains power before changing accessories, servicing or performing any maintenance.
- ✓ Maintain sharpener and stone in good condition. Check moving parts and alignment. If necessary use an authorised service agent.
- ✓ Replace or repair damaged parts. Use genuine parts only. Unapproved parts may be dangerous and will invalidate the warranty.
- ✓ The grinding wheel or stone must only be changed by persons holding an appropriate grinding wheel certificate.
- ✓ Wear approved safety goggles.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings, and other loose jewellery, and contain long hair.
- ✓ Use sharpener in a suitable work area, keep area clean, tidy and free from unrelated materials, and ensure adequate lighting.
- ✓ Maintain correct balance and footing. **DO NOT** over-reach and ensure the floor is not slippery. Wear non slip shoes.
- ✓ Keep non essential persons away from the working area.
- × **DO NOT** operate the sharpener if any parts are missing or the sharpener is damaged.
- × **DO NOT** use the sharpener for a task it was not designed to perform.
- × **DO NOT** operate sharpener where there are flammable liquids or gasses.
- × **DO NOT** get the sharpener wet or use in damp or wet locations.
- × **DO NOT** switch the sharpener on whilst the stone is in contact with the workpiece.
- × **DO NOT** touch the workpiece immediately after sharpening as it will be very hot.
- × **DO NOT** try to cool the sharpening wheel with water or other lubricants.
- × **DO NOT** touch the sharpening disc whilst operating, or whilst plugged into the mains power.
- × **DO NOT** leave the sharpener running unattended.
- × **DO NOT** operate the sharpener when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- × **DO NOT** attach modules if the wheel is still moving and **DO NOT** use without a module in place.
- ✓ The motor is specially rated for intermittent use, run for a maximum 15 minutes of continuous use.
- ✓ When not in use switch sharpener off, remove plug from power supply.

2. INTRODUCTION

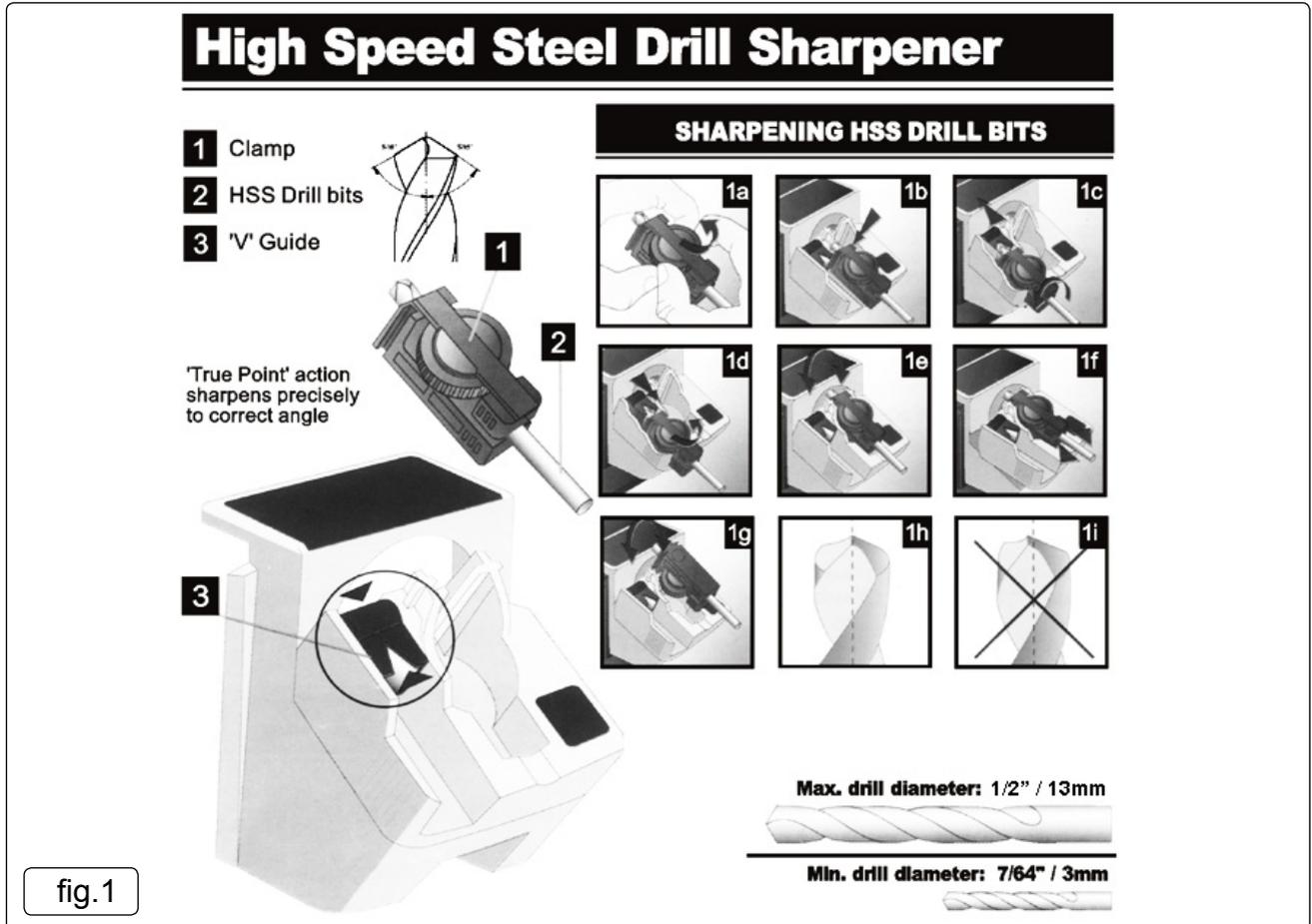
Portable electric multi-purpose sharpener, aimed at the DIY user. Sharpens all HSS drill bits from Ø3 to 13mm, straight edged knives and scissors. Also re-grinds chisels and plane blades up to 50mm wide.

3. SPECIFICATION

MODEL NUMBER..... SMS2004.V2
 Motor Power:.....65W
 Supply:.....230V
 No Load Speed:.....6700rpm
 Wheel Diameter:..... Ø48mm
 Minimum Drill Diameter:..... Ø3mm
 Maximum Drill Diameter:..... Ø13mm
 Replacement Grinding Wheel:.....SMS2004.06

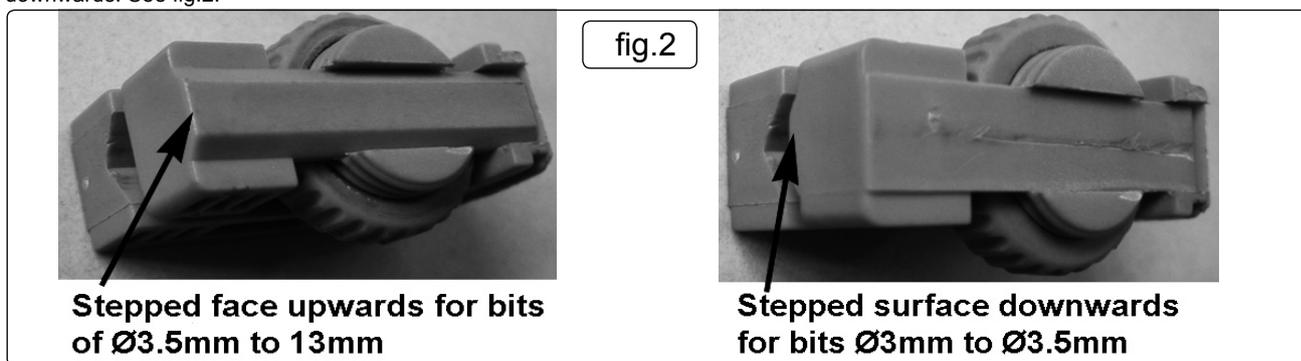
4. OPERATION

4.1. HIGH SPEED DRILL SHARPENER (REFER TO FIG.1).

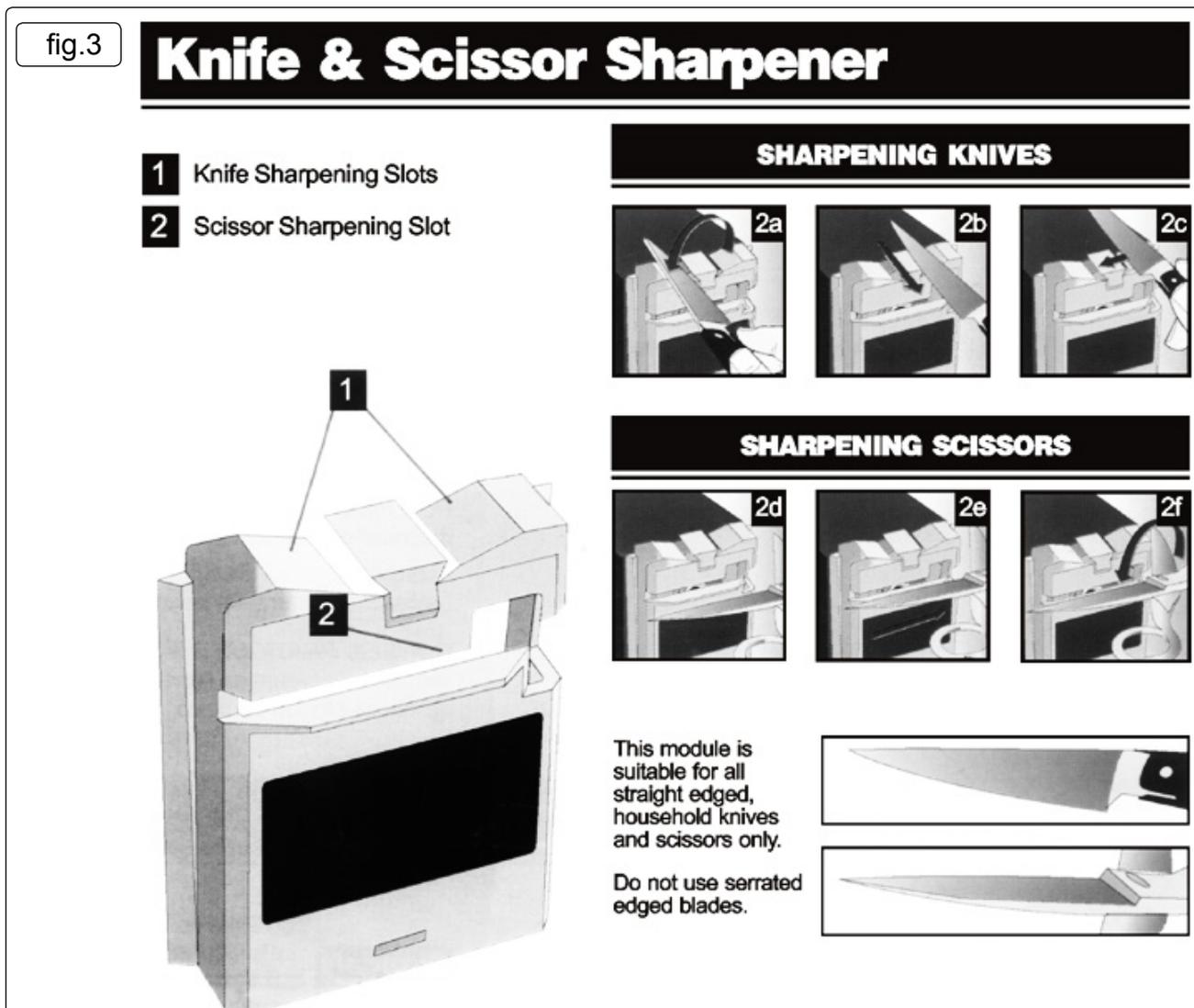


- 4.1.1. Slide module labelled 'High Speed Drill Sharpener' (1) onto the power unit.
- 4.1.2. Remove the clamp from the clamp holder and insert the drill bit (2) to be sharpened (1a). Tighten the clamp lightly to leave the drill bit still free to move.
- 4.1.3. Place the clamp containing the drill bit into the setting slot on the left hand top (see 3 in fig.1), using the grooves in the side to lower it in correctly (1b).
- 4.1.4. Move the drill bit cutting end forward, so that it lays in the V guide and touches the metal end stop (1c).
- 4.1.5. Turn the drill bit until the V guide fully drops over it (1c), all four drill corners should now be touching the V guide sides.
- 4.1.6. Ensure that the drill and holder are fully down in the setting slot. With the drill in this position, tighten the clamping ring (1d).
- 4.1.7. Lift up the V guide and remove the clamp holder and drill bit.
- 4.1.8. Transfer the clamp holder to the sharpening position, on the right hand top(1e), secure it with light finger pressure (1f).
- 4.1.9. Switch the power unit on.
- 4.1.10. Move the clamp holder from side to side, securing with light finger pressure.
- 4.1.11. Remove the drill bit and holder and turn it over to sharpen the other face of the drill (1g).
- 4.1.12. Check that the leading edge of both flutes are equally sharp (1h).
- 4.1.13. Switch the power unit off. Before removing the module, ensure the grinding wheel has stopped.

- 4.1.14. For drill bits of diameter 3mm to 3.5mm, loosen the locknut and pull the clamp out of the block and install it with the stepped surface downwards. See fig.2.



4.2. KNIFE AND SCISSOR SHARPENER (REFER TO FIG.3)



4.3. SHARPENING KNIVES

- 4.3.1. Slide module labelled "Knife Sharpener and Scissor Sharpener" onto the power unit.
 4.3.2. Switch the power unit on.
 4.3.3. Hold the knife handle towards you and insert the handle end of the blade into the guide slot (2a).
 4.3.4. As soon as the blade touches the grinding wheel, draw it with light steady pressure across the wheel to the tip, then remove. **DO NOT** press too hard (2b).
 4.3.5. Insert the second side of the blade into the other top guide slot (2c) and repeat step 4.2.4.
 4.3.6. Repeat sharpening each side in turn until a clean sharp edge is attained.
 4.3.7. Switch the power unit off. Before removing the module, ensure the grinding wheel has stopped.

4.4. SHARPENING SCISSORS

- 4.4.1. Open the scissors fully.
- 4.4.2. Slide the first scissor blade through the front guide slot from left to right (2d), keeping the pivot of the scissors and the other blade to the right hand side.
- 4.4.3. Draw the blade across the grinding wheel from pivot to tip. Use a light steady pressure, **DO NOT** press too hard (2e).
- 4.4.4. Remove and turn scissors over to sharpen the second blade (2f), keep the pivot to the right hand side.
- 4.4.5. Repeat if necessary, until sharp, clean edges are achieved.
- 4.4.6. Switch the power unit off. Before removing the module, ensure that the grinding wheel has stopped.

4.5. CHISEL AND PLANE SHARPENER (REFER TO FIG.4)



- 4.5.1. Slide module labelled "Chisel and Plane Sharpener" onto the power unit and ensure protective shield is in position.
- 4.5.2. Place the blade against the back lip of the plate (bevelled side downwards) (3a). The magnet helps hold it in place.
- 4.5.3. The sharpening angle must match the existing bevelled angle on the blade tip (3b).
- 4.5.4. To alter the angle, loosen the angle adjusting knob (3c), adjust the plate angle, then re-tighten.
- 4.5.5. Make sure the blade edge touches the grinding wheel, then switch the power unit on.
- 4.5.6. Slide the blade and plate with light, steady pressure back and forth across the grinding wheel in a continuous motion (3d).
 - * **DO NOT** hold the blade stationary as this causes irregular sharpening.
- 4.5.7. Gradually adjust the blade down the plate while sharpening (3e). **DO NOT** press hard, grind gradually, repeat this step.
- 4.5.8. Remove the blade and make sure the bevelled edge and tip are evenly sharp. If not adjust the grinding angle.
IMPORTANT! The sharpening angle must match the existing bevelled angle of the blade. This avoids removing too much metal unnecessarily and keeps the blades at their optimum shaving angle (3f).
- 4.5.9. When sharpening thin chisel blades, place the small chisel guide (4) onto the plate to act as a spacer and sharpen as before (3g).
- 4.5.10. Switch the power unit off. Before removing the module, ensure that the grinding wheel has stopped.
- 4.5.11. It is recommended that after grinding, the blade tip is honed on an oil stone.

5. MAINTENANCE

- 5.1. Before cleaning disconnect from the mains. Keep clean and free from oil and grease, store in dry conditions.



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 (WEEE). 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.



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. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.

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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