



INSTRUCTIONS FOR: MANUAL DRILL BIT SHARPENER MODEL NO: SMS2001M

Thankyou for purchasing this 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: READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS TOOL CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. RETAIN THESE INSTRUCTIONS FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- ❑ **WARNING!** Ensure Health and Safety, local authority and general workshop practice regulations are adhered to when using tools.
- ✓ Observe standard workshop safety procedures.
- ❑ **WARNING!** Take extreme caution when using this tool, the drill will require supporting, leaving the user with hands free to sharpen the bit.
- ✓ Wear approved eye protection and footwear. A range of personal safety equipment is available from your Sealey dealer.
- ✗ **DO NOT** use this tool for any purpose other than that for which it has been designed.
- ✗ **DO NOT** use to sharpen masonry drills.
- ✗ **DO NOT** use adaptor sleeve if damaged.
- ✓ Maintain tool in good and clean condition for best and safest performance.
- ❑ **IMPORTANT:** These instructions are provided as a guide only. There is more than one way to set up safely. When not in use, clean and store complete.
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2. INTRODUCTION

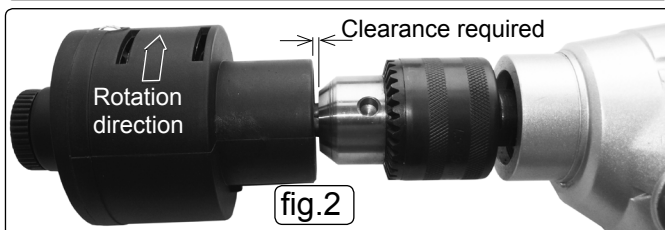
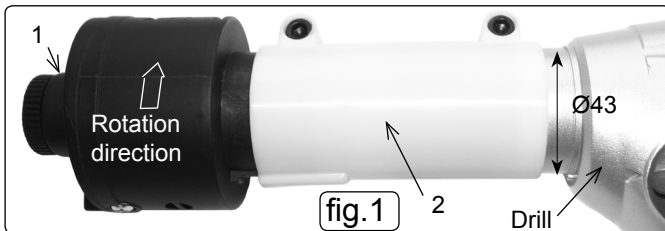
Fast, simple and effective way to sharpen drill bits. Suitable for use with HSS, Titanium, Cobalt and Carbon Steel drill bits. Easily adapts to a drill with a standard 43mm diameter collar shoulder. The sharpener is not to be used in the "Hammer" function.

3. SPECIFICATION/CONTENTS

Drill bit size range: Ø3, 3.5, 4, 4.2, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10mm.

Adaptor tube/Drill shoulder : Ø43

Item	Description	Qty
1	Sharpener module	1
2	Adaptor tube c/w fixings	1



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.

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, except for grinding stone, proof of purchase date will be required for any claim.

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

4. OPERATION

- ### 4.1 Setting
- 4.1.1 Support the drill with axis vertical.
 - 4.1.2 Close the jaws of the drill chuck fully to obtain maximum projection.
 - 4.1.3 Trial fit the sharpener three pronged internal coupling on to the chuck jaws as shown in fig.2.
 - 4.1.4 Fit the adaptor tube to both the drill shoulder and the sharpener as shown in fig.1 with equal grip length.
 - 4.1.5 Apply pressure to the sharpener, forcing the drill jaws to engage firmly with the internal coupling. Clamp the tube with the two cap screws (5mm hex).
 - 4.1.6 Turn the "STONE" (fig.3) knob A.C.W. to the down position.
- ### 4.2 Drill sharpening
- 4.2.1 Set the drill speed to fastest setting speed and turn on.
 - 4.2.2 Offer the drill bit to be sharpened into the correct aperture.
 - 4.2.3 Rotate the drill bit C.W. and A.C.W. whilst lowering on to the flute location ledges. Resistance will be felt when reached.
 - 4.2.4 Turn the "STONE" (fig.3) knob C.W. toward the up position whilst rotating the drill C.W. and A.C.W. until the grinding wheel engages with the bit. Observe the bit for ground tip.
 - 4.2.5 Alternate drill bit flute to flute for even sharpening as adjustments to "STONE" knob are made. Small adjustments recommended when grinding. Turn off the drill between observations.



fig.3

5. TROUBLESHOOTING

- 5.1 Bit tip turning blue, grinding process is too aggressive. Cool bit in water and reduce grinding depth.
- 5.2 Bit tip requires a large removal of material. Start grinding process on a bench grinder, finish on sharpener.
- 5.3 Grinder not turning. Check drill jaws to sharpener coupling.
- 5.4 Not grinding on full adjustment. Replace worn grinding wheel (20mm spanner), contact your Sealey dealer for spare. See 6.1 for access to grinding wheel.

6. CLEANING

- 6.1 Remove 2 screws, remove aperture cap, retain loose parts. Clean sharpener internals with an air line (wear goggles).
- 6.2 Clean sharpener externals and adaptor tube with a damp cloth and mild detergent. **DO NOT** use solvents.



Sole UK Distributor, Sealey Group,
Kempson Way, Suffolk Business Park,
Bury St. Edmunds, Suffolk,
IP32 7AR

01284 757500

www.sealey.co.uk

01284 703534

sales@sealey.co.uk