



# MANUAL DRILL BIT SHARPENER

MODEL NO: SMS2001M

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 instruction manual



Wear eye protection

## 1. SAFETY

- 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 stockist.
- 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.
- When not in use, clean and store complete.

## 2. INTRODUCTION

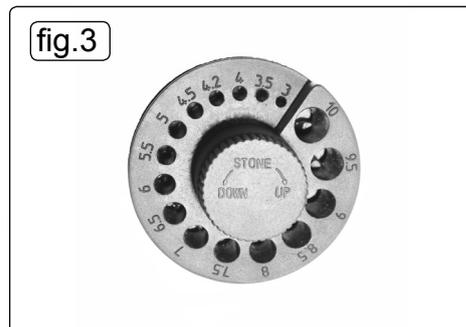
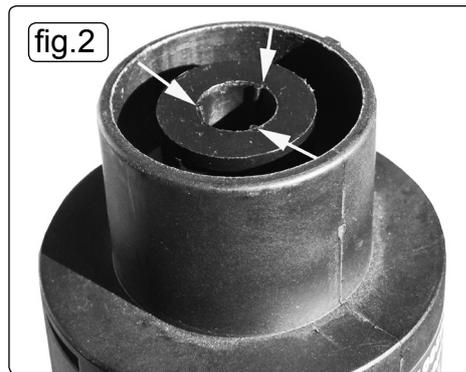
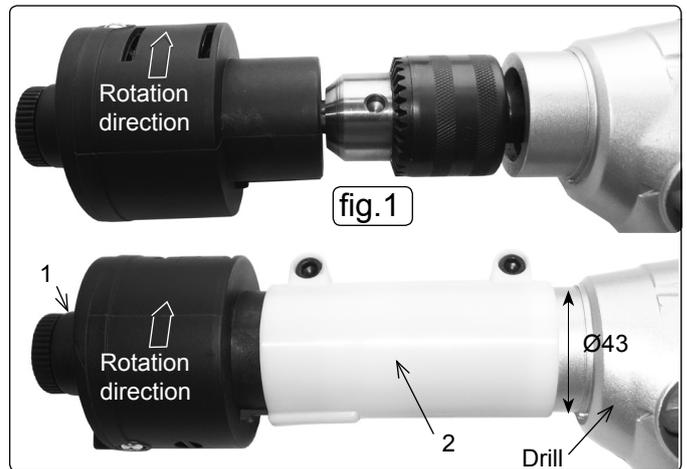
Fast, simple and effective way to sharpen drill bits. Suitable for use with HSS, Titanium, Cobalt and Carbon Steel ranging from 3 to 10mm. Fits with any drill with a 43mm collar (not to be used hammer function).

## 3. SPECIFICATION

Model no: .....SMS2001M  
 Drill bit range: .....  
 3, 3.5, 4, 4.2, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10mm  
 Collar size: ..... 43mm

## 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, see fig.2, on to the chuck jaws as shown in fig.1
  - 4.1.4. Adjust the length of the jaws to suit internal coupling.
  - 4.1.5. Fit the adaptor tube to both the drill shoulder and the sharpener as shown in fig.1 with equal grip length.
  - 4.1.6. 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).
  - 4.1.7. Turn the "STONE" (fig.3) knob 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 slightly whilst lowering on to the flute location ledges. Resistance will be felt when reached.
  - 4.2.4. Turn the "STONE" (fig.3) knob toward the up position whilst rotating the drill slightly until the grinding wheel engages with the bit.
  - 4.2.5. Observe the bit for ground tip.
  - 4.2.6. Alternate drill bit 180° cutting face to cutting face for even sharpening as adjustments to "STONE" knob are made. Small adjustments recommended when grinding. Turn off the drill between observations.



## 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 screw on each side of top of sharpener. Remove aperture cap, retain loose parts.
- 6.2. Clean sharpener internals with an air line (wear goggles).
- 6.3. Clean sharpener externals and adaptor tube with a damp cloth and mild detergent. **DO NOT** use solvents.



### 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.

**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.

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



01284 757500



01284 703534



sales@sealey.co.uk



www.sealey.co.uk