



SEALEY SMS2001M Drill Bit Sharpener User Manual

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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

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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 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 an adaptor sleeve if damaged.



Maintain tool in good and dean condition for best and safest performance.

IMPORTANT: These instructions are provided as a guide only.

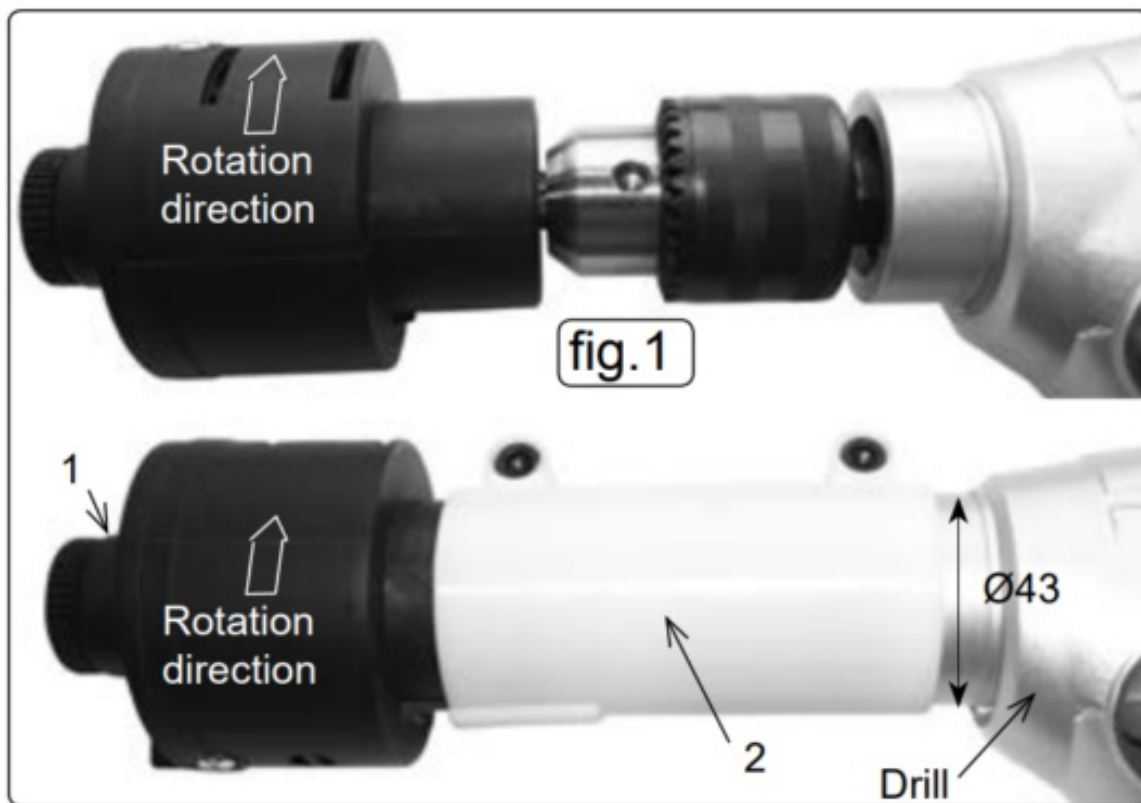


When not in use dean and store complete.

INTRODUCTION

A fast, simple, and effective way to sharpen drill bits. Suitable for use with HSS. Titanium. Cobalt and Carbon Steel range from 3 to 10mm.

Fits with any drill with a 43mm collar (not to be used hammer function).



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

OPERATION

fig.3



4.1.Setting

- 4.1.1.Support the drill with the axis vertical.
- 4.1.2.Close the jaws of the drill chuck fully to obtain maximum projection.
- 4.1.3.Trial fit of the sharpener three-pronged internal coupling, see fig.2, onto 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 the fastest setting speed and turn it 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 onto 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.Observed the bit for the 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 are recommended when grinding. Turn off the drill between observations.

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 the sharpener.
- 5.3. Grinder not turning: Check drill jaws to sharpener coupling.
- 5.4. Not grinding on full adjustment: Replace the worn grinding wheel (20mm spanner), contact your Sealey dealer for a spare. See 6.1 for access to the grinding wheel.

CLEANING

- 6.1. Remove the screw on each side of the top of the sharpener. Remove aperture cap, retain loose parts.
- 6.2. Clean sharpener internals with an airline (wear goggles).
- 6.3. Clean sharpener externals and adaptor tubes 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 center, and disposed of in a manner that 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.



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Documents / Resources

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References

-  [Sealey - Leading Professional Tool & Workshop Equipment Supplier](#)