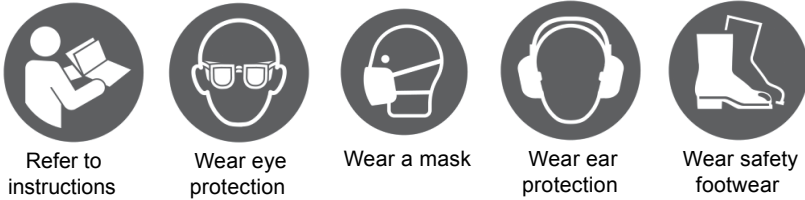




INSTRUCTIONS FOR
**DRILL BIT SHARPENER GRINDING
 ATTACHMENT**
 MODEL NO: **SMS01**

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 Wear a mask Wear ear protection Wear safety footwear

1. SAFETY

- ❑ **WARNING!** Disconnect the grinder from the mains power, and ensure the grinding wheels are at a standstill before attempting to position drill bit.
- ✓ Maintain the sharpener in good condition.
- ✓ Replace or repair damaged parts. Use recommended parts only. Non-authorized parts may be dangerous and will invalidate the warranty.
- ▲ **DANGER! DO NOT** use a damaged grinding wheel, to sharpen drill bits.
- ✓ Ensure that the correct grinding wheel is used for sharpening of drill bits.
- ❑ **WARNING!** Keep all guards and holding screws in place, tight and in good working order. Check regularly for damaged parts. A guard or any other part that is damaged should be repaired or replaced before tool is next used. The eye shields are a mandatory fitting when grinder is used in premises covered by the Health & Safety at Work Act.
- ✓ Ensure adequate lighting.
- ✓ Before each use check grinding wheels for condition. If worn or damaged replace immediately.
- ❑ **WARNING!** Always wear approved eye or face protection when operating a grinder.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery and contain and/or tie back long hair.
- ✓ Keep children and unauthorised persons away from the working area.
- ✗ **DO NOT** use the sharpener for a task it is not designed to perform.
- ✗ **DO NOT** operate the grinder if any parts are damaged or missing as this may cause failure and/or personal injury.
- ✗ **DO NOT** switch on the grinder whilst the wheel is in contact with the drill bit.
- ✗ **DO NOT** use grinder where there are flammable liquids, solids or gases, such as paint solvents and including waste wiping or cleaning rags etc.
- ✗ **DO NOT** touch the drill bit close to the ground surface as it will be very hot. Allow to cool. The drill bit may also be very sharp.
- ✗ **DO NOT** sharpen drill bits when you are tired, under the influence of alcohol, drugs or intoxicating medication.
- ✓ When not in use switch off the grinder, disconnect from the mains power supply and clean the machine and working area.

2. INTRODUCTION

Ideal for use with any standard bench grinder, the grinding attachment provides quick and precise sharpening of 3-19mm (1/8-3/4") HSS twist drill bits with a 75mm minimum length. Features an angle gauge with pre-sets at 41° (Countersink), 49°, 59°, 68° and 88°. Also features a rotating neck which aids grinding both sides of the drill bit. Perfect for use in any workshop or garage.

3. SPECIFICATION

Model No:..... SMS01
 Sizes:..... 3-19mm (1/8-3/4")
 Angle Adjustment: 41° (Countersink), 49°, 59°, 68°, 88°
 Minimum Drill Bit Length: 75mm

4. ASSEMBLY

- 4.1. The jig must be securely fixed in position using a bolt, washers and nut. Varying positions in relation to the grinding wheel can be obtained using the slot in the base. (fig 1)
- 4.2. The jig must be positioned so that the top of the trough can be brought to the face of the wheel.

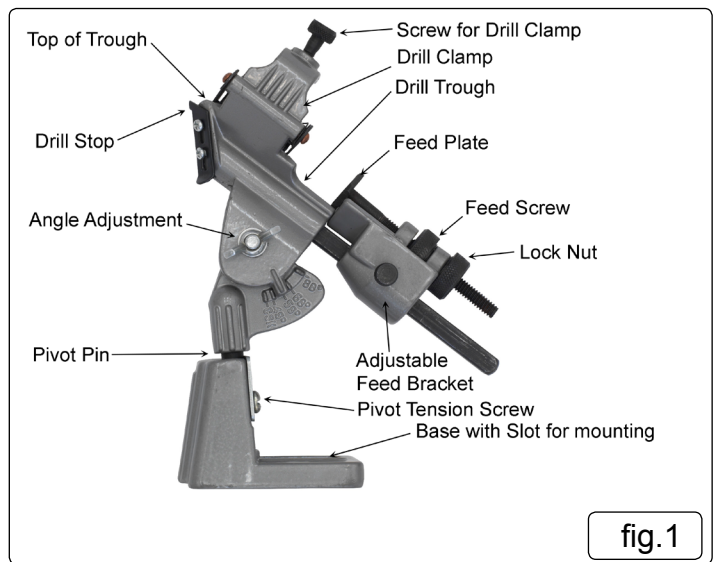
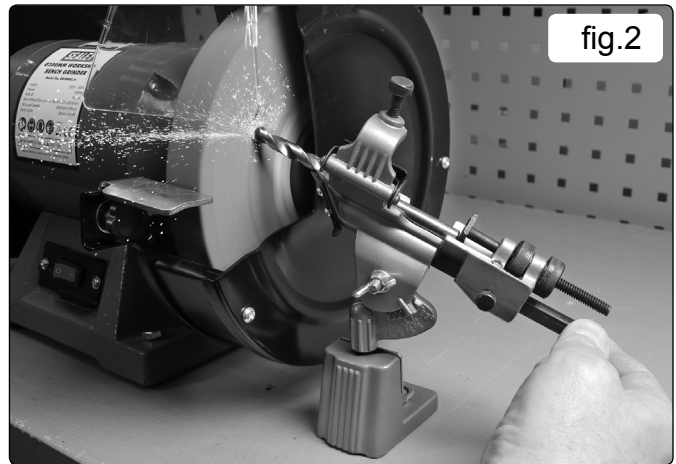


fig.1

5. OPERATION

- 5.1. Loosen screws for drill clamp and drill stop.
- 5.2. Position drill bit in trough.
- 5.3. At the same adjust the feed bracket to allow the drill bit to protrude at the top of the trough.
- 5.4. The lock nut needs to be released and the length of the protruding drill adjusted by using the feed screw according to the table given.
- 5.5. Tighten the locking nuts and drill stop.
- 5.6. Loosen the nut holding the base plate and move the jig until the drill tip touches the grinding wheel and then tighten the nut.
- 5.7. Swing the jig backwards and forwards on the pivot so that the drill bit tip passes across the grinding wheel face.
- 5.8. Switch on grinder and slowly swing the jig backwards and forwards, gradually moving the drill bit towards the grinding surface by using the feed screw.
- 5.9. When the edge has been ground. Switch off grinder. Beware drill bit may be hot. Remove drill bit, turn over and grind the opposite angle.



Drill Bit Angle	Drill bit Tip Overhang	Purpose of drill bit
41°	Dependant on Countersink	Countersinks
49°	Diameter of drill bit	Soft materials
59°	Half Diameter of drill bit	General purpose
68°	Half Diameter of drill bit	Small drill
88°	29.5mm	Hard materials, thin sheet



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.

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