



# MULTIPURPOSE ROTARY TOOL & ENGRAVER KIT

MODEL NO: **E540.V3**

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

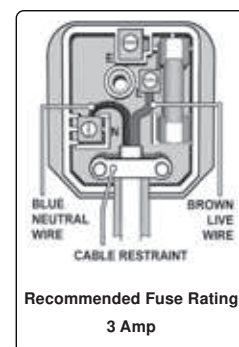


Wear a mask

## 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.  
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.  
**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.
- 1.1.3. This product is fitted with a BS1363/A 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 3 pin plug. If in doubt contact a qualified electrician.  
Class II products are wired with live (brown) and neutral (blue) only 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.  
It is recommended that repairs are carried out by a qualified electrician.



### 1.2. GENERAL SAFETY

- ✓ Only power the tool from the mains supply.
- ✓ Disconnect the tool from the mains supply before changing accessories, servicing or performing any maintenance.
- ✓ Maintain tool and accessories in good condition. Check moving parts and alignment. If necessary use an authorised service agent.
- ✓ Replace or repair damaged parts using recommended parts. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Wear approved safety eye protection with side shields and a dust mask if generating dust.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery and contain long hair.
- ✓ Use the tool in a suitable working area.
- ✓ Keep area clean and tidy and free from unrelated materials and ensure that there is adequate lighting.
- ✓ Prevent body contact with earthed surfaces to avoid electric shock e.g. pipes, radiators, refrigerators etc.
- ✓ Maintain correct balance and footing.
- ✓ Keep children and unauthorised persons away from the working area.
- ✓ Secure unstable workpiece with a clamp, vice or other adequate holding device.
- ✓ Avoid unintentional starting. Keep the tool clean for best and safest performance.
- ✓ When not in use switch tool off and unplug it from the mains supply. Store it in the case and put in a dry, childproof area.
- ✗ **DO NOT** operate the tool if any parts are missing or damaged as this may cause failure and/or personal injury.
- ✗ **DO NOT** operate the tool when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✗ **DO NOT** over-reach. Ensure the floor is not slippery and wear non-slip footwear.
- ✗ **DO NOT** use the tool for a task it is not designed to perform.
- ✗ **DO NOT** carry the tool by the cable.
- ✗ **DO NOT** operate tool where there are flammable liquids or gases.
- ✗ **DO NOT** hold unsecured work in your hand.
- ✗ **DO NOT** get the tool wet or use in damp or wet locations.

- ✖ **DO NOT** leave the tool running unattended.
- NOTE:** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

### 1.3. HAND ARM VIBRATION

#### ☐ **WARNING! – RISK OF HAND ARM VIBRATION INJURY**

This tool may cause Hand Arm Vibration Syndrome if its use is not managed adequately.

This tool is subject to the vibration testing section of the Machinery Directive 2006/42/EC.

This tool is to be operated in accordance with these instructions.

Please note that the application of the tool to a sole specialist task may produce a different average vibration emission. We recommend that a specific evaluation of the vibration emission is conducted prior to commencing with a specialist task.

A health and safety assessment by the user (or employer) will need to be carried out to determine the suitable duration of use for each tool.

NB: Stated Vibration Emission values are type-test values and are intended to be typical.

Whilst in use, the actual value will vary considerably from and depend on many factors.

Such factors include; the operator, the task and the inserted tool or consumable.

NB: ensure that the length of leader hoses is sufficient to allow unrestricted use, as this also helps to reduce vibration.

The state of maintenance of the tool itself is also an important factor, a poorly maintained tool will also increase the risk of Hand Arm Vibration Syndrome.

### 1.4. HEALTH SURVEILLANCE

We recommend a programme of health surveillance to detect early symptoms of vibration injury so that management procedures can be modified accordingly.

### 1.5. PERSONAL PROTECTIVE EQUIPMENT

We are not aware of any personal protective equipment (PPE) that provides protection against vibration injury that may result from the Uncontrolled use of this tool. We recommend a sufficient supply of clothing (including gloves) to enable the operator to remain warm and dry and maintain good blood circulation in fingers etc. Please note that the most effective protection is prevention, please refer to the correct use and maintenance section in these instructions. Guidance relating to the management of hand arm vibration can be found on the HSE website [www.hse.gov.uk](http://www.hse.gov.uk) - Hand-Arm Vibration at Work.

## 2. INTRODUCTION

Multipurpose high-speed power tool with on/off and electronic variable speed controls. Stepless control between 10,000 and 32,000rpm. Spindle lock for fast tool changes. Supplied with a full range of tips, wheels, sanding discs/bands, dressing stone, chuck spanner and flexible rotary shaft. Suitable for carving, shaping, deburring, drilling, engraving, cutting and tool sharpening. Supplied in storage case.

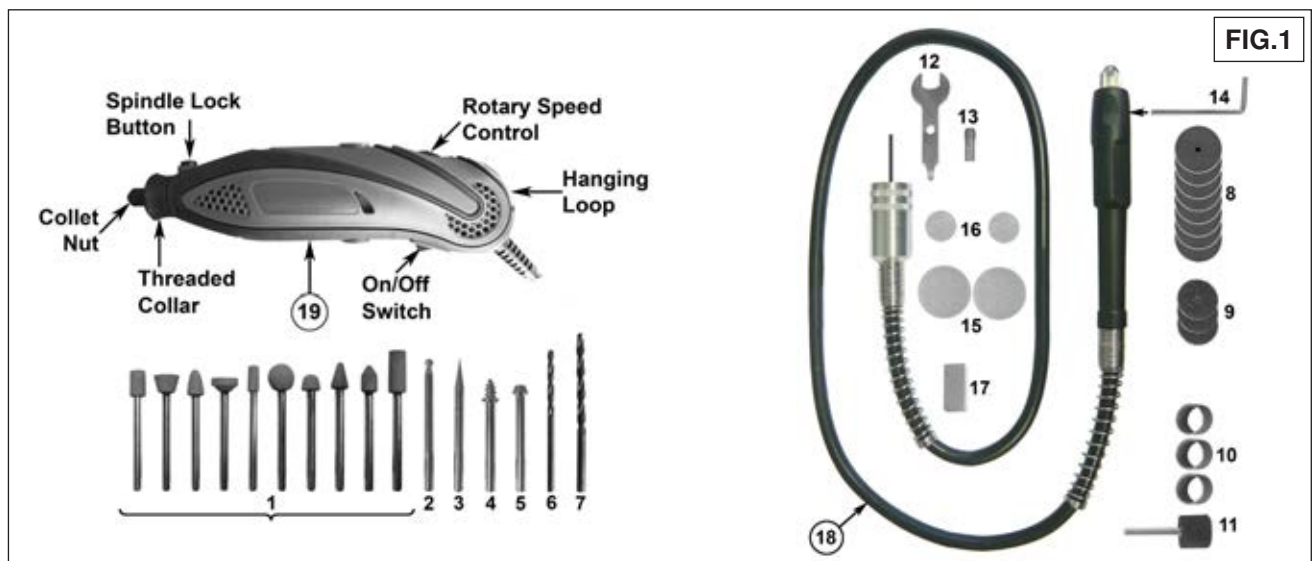
## 3. SPECIFICATION

Model No:..... **E540.V3**  
Collets:..... 2.3, 3mm  
Diamond Tipped Engravers:..... 2  
Free Speed: ..... 10000-32000rpm  
Fuse Rating:..... 3A  
Motor Power:..... 135W

Mounted Points: ..... 10  
Plug Type: ..... 3-Pin  
Sanding Cylinder: ..... 12.7 x 15mm  
Supply: ..... 230V  
Twist Drills: ..... 2.3, 3mm  
Vibration/Uncertainty: ..... 1.13 / 1.5m/s<sup>2</sup>

**Accessories:** Sanding Bands (x4), Sanding Discs (x3), Cutting Discs (x8), Polishing Wheels (x4), Dressing Stone, Spanner, Flexible Rotary Shaft

## 4. CONTENTS



|   |                             |              |
|---|-----------------------------|--------------|
| 1 | 10 Point Grinding Wheel Set | E540.V2-ACC1 |
| 2 | Spherical Diamond Cutter    | E540.V2-ACC2 |
| 3 | Tapered Diamond Cutter      | E540.V2-ACC3 |

|    |                             |               |
|----|-----------------------------|---------------|
| 11 | Sanding Shank (12.7x12.7mm) | E540.V2-ACC11 |
| 12 | Spanner (9.7mm)             | E540.V2-ACC12 |
| 13 | Brass Collet (2.3mm)        | E540.V2-ACC13 |

|    |                            |               |
|----|----------------------------|---------------|
| 4  | Mandrel For Felt Wheel     | E540.V2-ACC4  |
| 5  | Mandrel For Cut-Off Wheel  | E540.V2-ACC5  |
| 6  | HSS Twist Drill (2.3mm)    | E540.V2-ACC6  |
| 7  | HSS Twist Drill (3mm)      | E540.V2-ACC7  |
| 8  | Cut-Off Wheels             | E540.V2-ACC8  |
| 9  | Sanding Discs (20x0.35mm)  | E540.V2-ACC9  |
| 10 | Sanding Band (12.7x12.7mm) | E540.V2-ACC10 |

|    |                             |               |
|----|-----------------------------|---------------|
| 14 | Flexible Drive Locking Bar  | E540.V2-ACC14 |
| 15 | Felt Wheel (22x7mm)         | E540.V2-ACC15 |
| 16 | Felt Wheel 12.7x7mm)        | E540.V2-ACC16 |
| 17 | Dressing Stone (20x10x10mm) | E540.V2-ACC17 |
| 18 | Flexible Extension Drive    | E540.V2-ACC18 |
| 19 | Motor Unit                  | E540.V3-G     |

## 5. OPERATION

### 5.1. FITTING ACCESSORIES

- 5.1.1. Ensure the tool is switched off and unplugged from the mains supply.
- 5.1.2. Press the spindle lock button and turn the collet nut until the spindle lock engages.
- 5.1.3. Retain pressure on the spindle lock button and turn the collet nut anticlockwise to open the collet.

**Note:** Never press the spindle lock button when the tool is running.

- 5.1.4. The required accessory may now be fitted into the collet.
- 5.1.5. Fully insert the accessory shaft to reduce the risk of damage.
- 5.1.6. Tighten the collet nut.
- 5.1.7. Release the spindle lock button.

### 5.2. CHANGING COLLETS

- 5.2.1. To change collets, proceed as in paragraphs 5.1.1. to 5.1.3. but continue to unscrew the collet nut until it can be removed from the spindle. Change collets and replace the collet nut.

### 5.3. OPERATION

- 5.3.1. Select the speed required on the rotary speed control.

**Note:** Small accessories require high speed and large accessories low speed.

If in doubt, start on a low setting and gradually increase the speed until the best performance is obtained.

- \* **DO NOT** switch ON with a tool bit touching the workpiece.
- ✓ Always allow a bit to reach required speed before applying it to the workpiece.

### 5.4. FLEXIBLE EXTENSION DRIVE

- 5.4.1. Ensure the tool is switched off and unplugged from the mains supply.
- 5.4.2. To connect the flexible drive extension pull the drive shaft out of the aluminium connector by about 30mm.
- 5.4.3. Unscrew the black threaded collar from the drive end of the motor unit.
- 5.4.4. Press the spindle lock button and slowly turn the collet nut until the spindle lock engages.
- 5.4.5. Retain pressure on the spindle lock button and turn the collet nut anticlockwise to open the collet.
- 5.4.6. Insert the drive shaft into the collet and hand tighten the collet nut. Further tighten the nut using the spanner provided.
- 5.4.7. Bring the extension drive connector up to the thread on the motor unit and screw it fully on clockwise.
- 5.4.8. At the other end of the flexible drive insert the locking bar into the hole in the drive head.
- 5.4.9. Turn the collet nut clockwise until the locking bar slides into the hole in the shaft and locks it.
- 5.4.10. Turn the collet nut anti-clockwise to loosen the collet and insert the required accessory.
- 5.4.11. Hand tighten the collet nut and then further tighten it using the spanner provided.
- 5.4.12. Remove the locking bar.
- 5.4.13. Position yourself, ready for work, holding the drive head firmly before turning the motor unit on.

## 6. MAINTENANCE

### 6.1. CLEANING

- ✓ Keep the tool ventilation slots clean and free from obstructions.
- ✓ If available, blow compressed air into the vents to clear any internal dust.



### 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.



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### 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.

**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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