



# INSTRUCTIONS FOR TUNGSTEN CARBIDE TIPPED TOOL ENGRAVER MODEL NO: E541

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

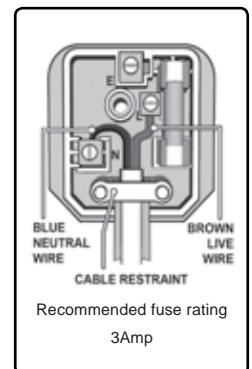


Wear a mask

## 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. You may obtain an RCD by contacting your local Sealey dealer.  
If the engraving tool 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.
- 1.1.3. **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.
- 1.1.4. This product is fitted with a BS1363/A 13 Amp 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 13 Amp 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.  
Sealey recommend 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 work piece 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 place 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 shoes.
- × **DO NOT** use the tool for a task it is not designed to perform.
- × **DO NOT** operate tool where there are flammable liquids or gases.
- × **DO NOT** carry the tool by the cable.
- × **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.

## 2. INTRODUCTION

Multi-purpose high speed engraver with on/off switch and variable stroke adjustment, which gives more control on the work piece. Suitable for engraving and etching on wood, metal plastic and glass. Supplied with tip and two stencils. Fitted with BS approved plug.

## 3. SPECIFICATION

Model no: .....E541  
Supply: ..... 230V  
Speed: ..... 6000rpm  
Motor Power: ..... 13W  
Noise Power: ..... 76dB(A)  
Noise Pressure: ..... 65dB(A)  
Accessories: ..... Engraving head (1pc)  
..... Letter Template (1pc)  
..... Number Template (1pc)

## 4. OPERATION

### 4.1. Fitting/Changing Engraving Head

- 4.1.1. Ensure the tool is switched off and unplugged from the mains supply.
- 4.1.2. Unscrew the grub screw in the spindle (fig.1D).
- 4.1.3. Remove the engraving head (fig.1C) and replace with a new one.

### 4.2. Operation

- 4.2.1. Check that the ON/OFF switch (fig.1A) is set to OFF and then connect the tool to the mains supply. Switch the tool ON.
- 4.2.2. Select the stroke required on the rotary control (fig.1B). Its recommend to use a test piece to find the correct stroke suitable for the work piece.

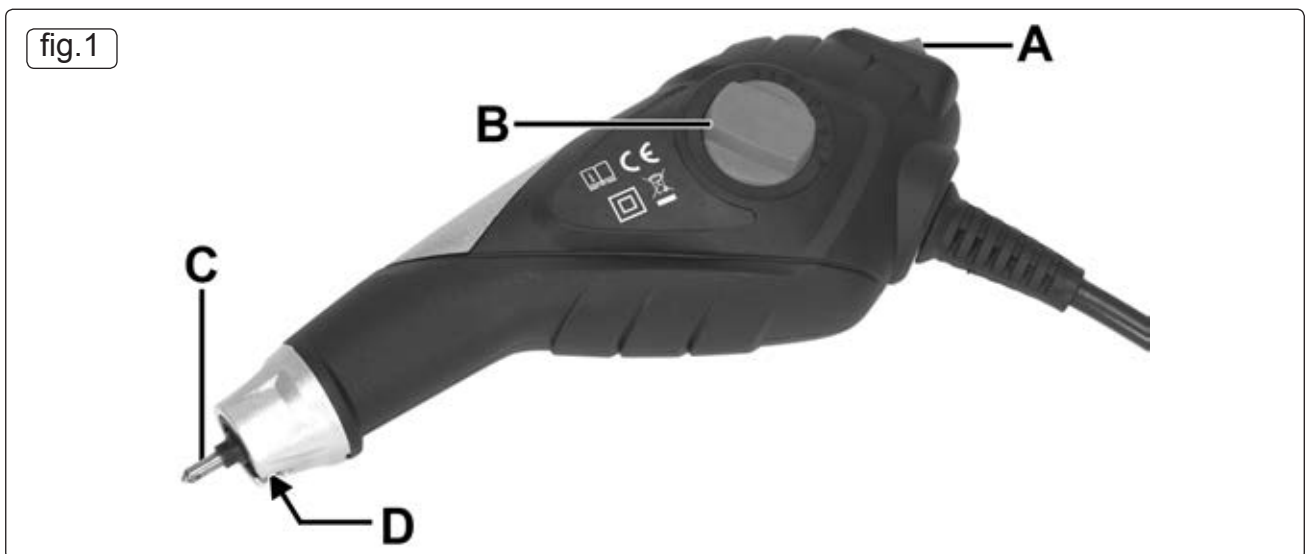
**NOTE: DO NOT** switch ON with the engraving head touching the work piece.

## 5. MAINTENANCE

### 5.1. Cleaning

- 5.1.1. Keep the tool ventilation slots clean and free from obstructions. If available blow compressed air into the vents to clear any internal dust (safety goggles must be worn when undertaking this process).
- 5.1.2. Keep the outer case of the tool clean and free from grease.
- 5.1.3. Wipe down with a damp cloth.
- 5.1.4. **DO NOT** wash with water or use solvents or abrasives.

- 5.2. **Servicing** To service the tool contact your local Sealey service agent.



**Environmental 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 off any fluids (if applicable) into approved containers and dispose of the product and the fluids according to local regulations.

**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 will be required for any claim.



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



01284 757500



01284 703534



www.sealey.co.uk



sales@sealey.co.uk

## 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.

**Measured vibration emission value (a): . . . . . 1.76m/s<sup>2</sup>**

**Uncertainty value (k): . . . . . 0.88m/s<sup>2</sup>**

*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.*

### **Health surveillance.**

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

### **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 HSC website [www.hse.gov.uk](http://www.hse.gov.uk) - Hand-Arm Vibration at Work.