MULTIPURPOSE ROTARY TOOL & ENGRAVER SET 219PC

MODEL NO: **E5188.V4**

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 ear protection

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 stockist.
If the 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.

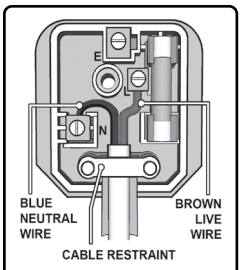
1.1.3. **Important**: Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating in these instructions.

× **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.



Recommended fuse rating
3 Amp

× **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 work 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 work 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 put in a dry, childproof area.
× **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** get the tool wet or use in damp or wet locations.
× **DO NOT** carry the tool by the cable.
× **DO NOT** hold unsecured work in your hand.
× **DO NOT** leave the tool running unattended.
× **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.

2. INTRODUCTION

Multipurpose high-speed power tool with on/off and electronic variable speed controls. Stepless control between 8000 and 30000rpm. Spindle lock for fast tool changes. Supplied with a full range of tips, wheels, brushes, sanding discs/bands, dressing stone and chuck spanner. Suitable for carving, shaping, de-burring, drilling, engraving, cutting and tool sharpening. Supplied in carry-case.

3. SPECIFICATIONS

Model No:..... E5188.V4
Collets:..... 1.5mm, 2.3mm (x2), 3.2mm
Contents:
Sanding Bands (x12), Grinding Wheels (x12), Felt Wheels (x6), Cut-Off Wheels (x35), Cut-Off Wheel Heavy-Duty (x30), Sanding Disc 180Grit (x36), Sanding Disc 320Grit (x36), Steel Wire Brush (x3), Brass Wire Brush (x3), Nylon End Brush, Fibreglass Cut-Off Wheels (x5), Cloth Wheel, Rubber Emery Wheel, Flap Wheel, Dressing Stone, Flexible Rotary Shaft, Spanner, Spindle Lock Key, Polishing Compound, Selection of Drill Bits, Mandrels (x4)
Diamond Tipped Engravers:..... 5pc
Free Speed: ..... 8000-35000rpm Stepless
Motor Power:.....170W
Mounted Points: 10pc
Noise Power/Pressure: .....72/61dB(A)
Vibration/Uncertainty:..... 3.74/1.87m/s²
Sanding Cylinder:..... 6.4 x 12.7mm, 12.7 x 12.7mm
Supply:.....230V
Twist Drills:..... 1.5mm (x2), 2.3mm (x2), 3.2mm (x2)

fig.1

fig.1a

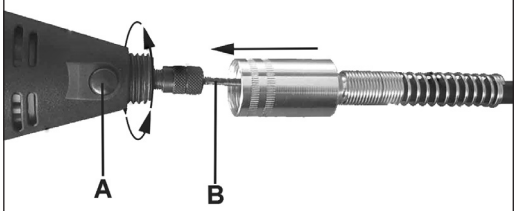


fig.2

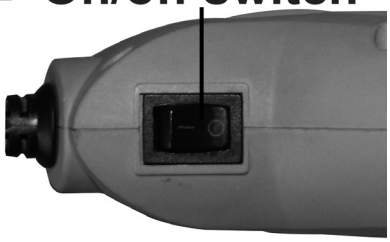


fig.3

4. OPERATION

❑ **WARNING!** Disconnect from mains supply before fitting accessories, making adjustments or performing any maintenance.

4.1. CONNECTION

4.1.1. Ensure that the ON/OFF switch is in the OFF position before connecting to the mains supply. Refer to fig.1a,'OFF' is shown as '0' on the switch.

4.2. FITTING ACCESSORIES DIRECT TO ROTARY TOOL

4.2.1. Ensure that the tool is switched OFF.

4.2.2. Press the spindle lock button, refer to fig.1, and slowly turn the collet until the spindle lock engages. Retain the pressure on the spindle lock button and turn the collet nut anti-clockwise to open the collet.
NOTE: Never press the spindle lock button when the tool is running.

4.2.3. The required bit may now be fitted into the collet. Fully insert the bit shaft to reduce the risk of bending in use. Tighten the collet nut firmly using the spanner supplied. Finally, release the spindle lock button.

4.2.4. To change collet, proceed as 4.2.1 to 4.2.3 but continue to unscrew the collet nut until it can be removed from the spindle. Change collet and replace collet nut.

4.2.5. Select the speed required on the variable speed control. Small accessories require high speed and large accessories low speed. If in doubt, start on a low setting and gradually increase speed until best performance is obtained.

4.2.6. Check that the ON/OFF switch is OFF and then connect the tool to the mains power supply. Turn the ON/OFF switch to ON. **DO NOT** switch ON with the tool bit touching the workpiece. Always allow the bit to reach full speed before applying it to the workpiece.

4.3. ATTACHING FLEX DRIVE AND BITS

4.3.1. Ensure that the tool is switched OFF and remove plastic collar (fig.1).

4.3.2. Press the spindle lock button, refer to fig.1 or fig.2A, and slowly turn the collet nut until the spindle lock engages.

4.3.3. Retain the pressure on the spindle lock button and turn the collet nut anti-clockwise to loosen the collet.
4.3.4. Extract the flex drive from the centre of the shaft (fig.1aB).
4.3.5. Insert the flex drive into the collet inside the spindle nut and tighten by holding in the spindle locking button and tighten with the spanner.
4.3.6. Slide the flex drive back up into the shaft and secure by screwing the rotary shaft connector onto the rotary tool (fig.1a).
4.3.7. At the other end of the flex drive shaft insert the locking pin into the outer casing (fig.3), it may be necessary to rotate the collet nut to align the holes, once the shaft is locked, turn the collet nut anti-clockwise to loosen.
4.3.8. If necessary replace the collet with one the correct size for the task at hand.
4.3.9. Replace the collet nut and insert a bit. Tighten the collet nut firmly and remove the locking pin.

5. MAINTENANCE

❑ **WARNING!** Remove from mains supply before performing any Maintenance.

5.1. CLEANING

5.1.1. Keep the tool's 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. **DO NOT** wash with water or use solvents or abrasives.

❑ **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): 3.74m/s²
Uncertainty value (k): 1.87m/s²
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 - Hand-Arm Vibration at Work.

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. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.
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