



20V SV20 SERIES CORDLESS PLANER - BODY ONLY

MODEL NO: **CP20VEP**

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



Wear protective gloves



Wear ear protection

1. SAFETY

1.1. GENERAL SAFETY

- **WARNING:** Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.
- ✓ Save all warning and instructions for future reference.
- ✓ Keep work area clean and well lit. Cluttered or dark area invites accidents.
- × **DO NOT** operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- ✓ Keep children and bystanders away whilst operating a power tool. Distractions can cause you to lose control.
- ✓ Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- × **DO NOT** expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

1.2. PERSONAL SAFETY

- ✓ Stay alert, watch what you are doing and use common sense when operating a power tool.
- × **DO NOT** use a power tool whilst you are tired or under the influence of drugs, alcohol, or medication. A moment inattention whilst operating power tools may result in serious injury.
- ✓ Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat or hearing protection use for appropriate conditions will reduce personal injuries.
- ✓ To prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your fingers on the switch or energising power tools that have the switch on invites accidents.
- ✓ Remove any adjusting key or spanner before turning the power tool on. A spanner or a key left attached to a rotating part of the power tool may result in personal injury.
- × **DO NOT** overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- ✓ Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- ✓ When using the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.
- × **DO NOT** let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

1.3. POWER TOOL USE AND CARE

- × **DO NOT** force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- × **DO NOT** use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- ✓ Remove the battery pack, from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- ✓ Store idle power tools out of the reach of children and do not allow persons unfamiliar with these power tools or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- ✓ Maintain power tools and accessories. Check for misalignment or binding of the moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damages, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- ✓ Use the power tool, accessories and tool bits etc, in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
- ✓ Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

- ✓ **WARNING:** Wait for the cutter to stop before setting the tool down. An exposed rotating cutter may engage the surface leading to possible loss of control and serious injury.
- ✓ Use clamps or another practical way to secure and support the work-piece to a stable platform. Holding the work-piece by your hand or against the body leaves it unstable and may lead to loss of control.
- ✓ Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.
- ✗ Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorised service providers.

2. INTRODUCTION

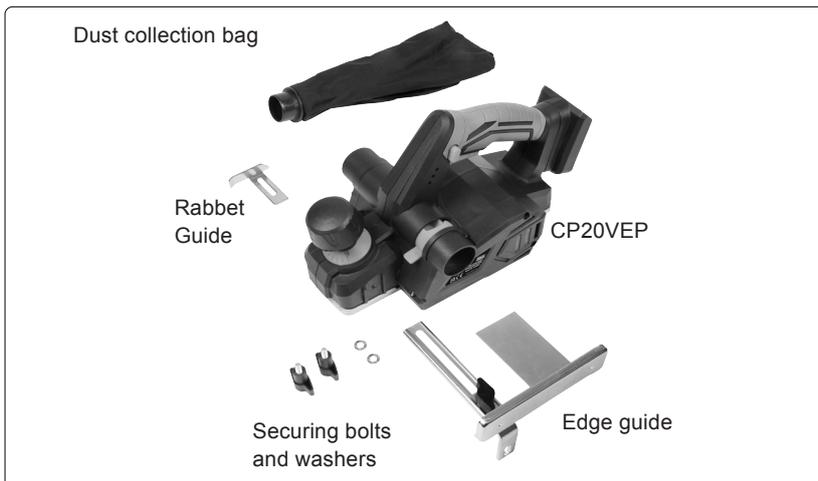
Compact and well balanced planer with up to 1.5mm planing depth and up to 8mm rebate capacity. Easily adjust planing depth from 0-1.5mm by turning the front grip. Dust collection port. Supplied with adjustable guides, spanner, hex key and dust collection bag.

3. SPECIFICATION

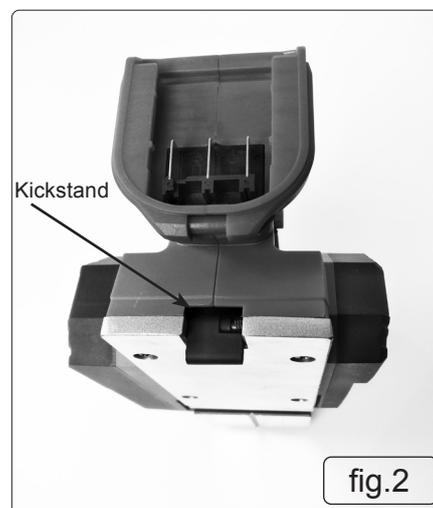
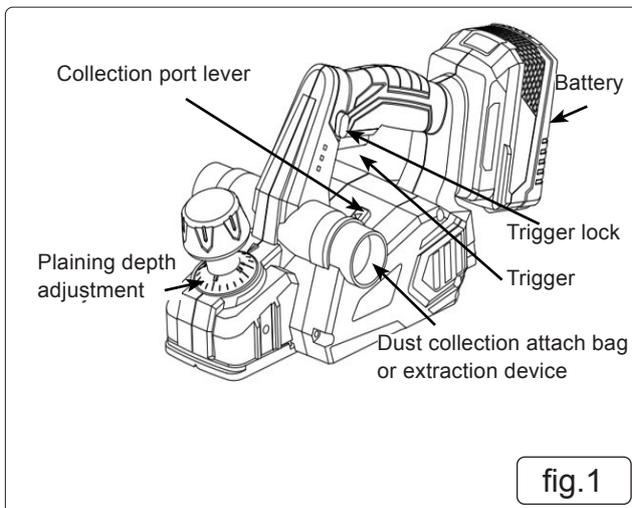
Model No...... **CP20VEP**
Battery: 20V 2Ah - 6Ah Lithium-ion (not included)
Maximum Planing Depth:..... 1.5mm
Noise power (Lwa) 95dB
Noise pressure (Lpa) 84dB
No load Speed: 16000rpm
Planing Width:..... 82mm
Rebate Depth:..... 8mm
Uncertainty (K)..... 1.5m/s²
Vibration (ah) 6.13m/s²
Consumable parts
 CP20VBP2 - 2Ah Battery, CP20VBP4 - 4Ah Battery,
 CP20VBP6 - 6Ah Battery.

The declared vibration total value(s) and the declared noise emission value(s) have been measured in accordance with a standard test method and may be used for comparing one tool with another. The declared vibration total values and the declared noise emission values may also be used in a preliminary assessment of exposure. The vibration and noise emissions during actual use of the power tool can differ from the declared values depending on the ways in which the tool is used, especially what kind of workpiece is processed. The need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual condition of use.

4. CONTENTS



5. OPERATION



5.1. ATTACHING THE PLANER TO A VACUUM

- 5.1.1. Remove the battery pack before making any adjustments.
- 5.1.2. Slide the collar of the dust collection bag onto the exhaust port.

NOTE: To remove the dust bag, pull it straight out of the collection port lever. (Bag has a tendency to fill quickly so empty to avoid damage to the product.

5.1.3. Attach a vacuum hose to the left or right collection port.

5.1.4. Set collection lever to the selected collection port.

5.1.5. Connect the vacuum to a power supply.

5.1.6. Turn vacuum on before starting cut.

- WARNING:** When the tool is not connected to vacuum, always reinstall the dust bag back onto the tool. Failure to do so could cause dust or foreign objects to be thrown into your face or eyes, which could result in possible serious injury.

5.2. INSTALLING/REMOVING BATTERY PACK

5.2.1. Keep fingers away from trigger switch.

5.2.2. Insert the battery pack into the cordless planer.

5.2.3. Make sure the grooves on each side of the battery locate and the battery clicks into place.

5.2.4. Depress the front button and slide in opposite direction to remove the battery pack.

5.3. STARTING/STOPPING THE PLANER

5.3.1. To start the planer push the trigger from either side, and then release the trigger to stop.

5.3.2. There is a trigger lock which can be used in order to run the planer without you constantly applying the trigger. Simply push in the lock trigger and to release pull the trigger a second time to stop.

5.3.3. KICKSTAND (fig.2)

5.3.4. The planer has been equipped with an automatic pivoting kickstand that will prevent the blades from contacting the work bench when not in use. As you begin the planing operation, the kickstand will automatically retract as it passes over the edge of the work-piece. When setting the planer down on the workbench, the kickstand will automatically pivot down to prevent the blade from making any contact.

- WARNING:** Make sure the kickstand operates freely at all times and that the area surrounding the kickstand is clear of debris. Failure to do so could result in serious personal injury.

5.4. PLANING DEPTH (ref: fig.1)

5.4.1. When you begin planing a rough piece of material, the planer will only remove the high spots at first. Successive passes will remove more and more material. By removing no more than 1/64 in. with each pass, you will achieve the smoothest finish, even from the roughest work-piece.

5.4.2. Always begin with test cuts in scrap wood to make sure that the planer is removing the desired amount of wood.

TO SET THE PLANING DEPTH:

5.4.3. Remove the battery pack.

5.4.4. Turn the depth adjustment knob clockwise to set the desired depth of cut. The maximum depth of cut is 1/16 in.

NOTE: Use only detented depth settings. Attempting cuts with the depth of cut settings between the detented positions can result in uneven cuts.

NOTE: To protect the blades during storage, transporting, etc., turn the depth adjustment knob counter-clockwise to P on the depth of cut scale to park the blade.

- WARNING:** Always clamp the work-piece securely before making a cut. Work moving during a cut could result in loss of control of the planer and cause serious injury.

5.5. PLANING:

NOTE: Planing too fast results in a poor finish and increases chip build-up in the chip exhaust. Chip build-up restricts airflow and can cause motor overheating.

5.5.1. Clamp the work securely.

5.5.2. Adjust the planing depth. Refer to Planing Depth section.

5.5.3. Hold the depth adjustment knob with one hand and the handle with your other hand.

- WARNING:** Always use two hands on the tool for any operation; this assures that you maintain control and avoid risk of serious personal injury. Always properly support and clamp the work so that both hands are free to control the planer. Never operate the tool overhead or inverted from the proper operating position; serious personal injury may result.

5.5.4. Place the front shoe on the edge of work to be planed.

NOTE: Make sure the blades are not touching the work.

5.5.5. Apply pressure to the depth adjustment knob so that the front shoe is completely flat on the work.

5.5.6. Start the planer and let the motor reach maximum speed.

5.5.7. Hold the planer firmly and push it forward into the work, using a slow, steady motion.

5.5.8. Plane slowly and empty the dust bag frequently.

5.5.9. Apply downward pressure toward the rear handle as you reach the end of the planed cut. This helps keep the rear section of the planer base in contact with the work and prevents the front of the planer from gouging the cut.

- WARNING:** Be careful to avoid hitting nails or staples during planing operation; this action could nick, crack, or damage blades.
NOTE: We suggest that you always keep an extra set of blades on hand. As soon as the blades in the planer show signs of becoming dull, replace them. The blades are reversible and can be reversed until both sides become dull.

5.6. CHAMFERING

5.6.1. The planer is designed with a chamfering groove in the front shoe to chamfer corners of boards as shown. Before making a cut on good lumber, practice cutting on scrap lumber to determine the amount to be removed.

5.6.2. Clamp the work securely.

5.6.3. Hold the depth adjustment knob with one hand and the handle with your other hand.

5.6.4. Place the chamfering groove on the surface to be cut.

5.6.5. Start the planer and let the motor reach maximum speed.

5.6.6. Hold the planer firmly and push it forward into the work, using a slow, steady motion.

5.6.7. Apply downward pressure to keep the planer flat at the beginning and the end of the work surface.

5.7. ATTACHING THE EDGE GUIDE FOR PLANING EDGES

- WARNING:** Remove the battery pack.
- 5.7.1. Attach the bracket to the desired side of the planer and tighten the bolt securely.
- 5.7.2. Attach the edge guide to the bracket using the carriage head bolts and nuts.
- 5.7.3. Tighten the nut securely.

5.8. PLANING EDGES

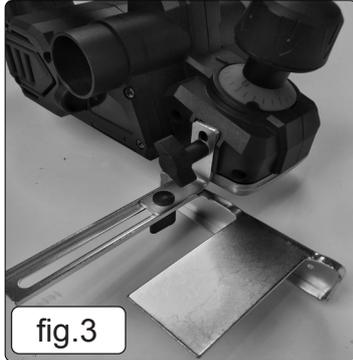
- 5.8.1. Follow the directions in the Planing section earlier in this manual. Hold the edge guide firmly against the edge of the work surface.

5.9. PLANING EDGES AND MAKING RABBET CUTS

- 5.9.1. The planer comes with an adjustable edge guide for precision edge planing and rabbet cutting. Attach the edge guide to either side of the planer for planing edges and attach the edge guide to the left side for making rabbet cuts.

5.10. ATTACHING THE EDGE GUIDE FOR PLANING EDGES (fig.3)

- WARNING:** Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally
- 5.10.1. Remove the battery pack.
- 5.10.2. Attach the bracket to the desired side of the planer and tighten the knob bolt securely.
- 5.10.3. Attach the edge guide to the bracket using the knob nut and the carriage head bolt.
- 5.10.4. Tighten the knob nut securely.



5.11. TO MAKE RABBET CUTS (fig.4)

- 5.11.1. Follow the directions in Planing section 5.5 earlier in this manual. Rest the edge guide firmly against the edge of the work surface.
- 5.11.2. The depth of the rabbet is determined by the depth of the cut and the number of passes made along the work surface.
- 5.11.3. The maximum depth of the rabbet cut is 1/2 in and has to be cut in 1/16 in passes or less to reach the desired depth. The width of the rabbet cut is adjustable by moving the edge guide.

6. MAINTENANCE

- WARNING:** Always disconnect the battery before carrying out any inspection, maintenance or cleaning.
- 6.1. GENERAL INSPECTION**
 - 6.1.1. Have your power tool serviced by a qualified repair person using only Sealey replacement parts. This will ensure that the safety of the power tool is maintained.
 - 6.1.2. Never service damaged battery packs. Service of battery packs should only be performed by Sealey or authorised service providers.
- 6.2. CLEANING**
 - WARNING:** Always wear protective equipment including eye protection and gloves when cleaning this tool.
 - 6.2.1. Keep your tool clean at all times. Dirt and dust will cause internal parts to wear quickly, and shorten the device's service life.
 - 6.2.2. Clean the body of your machine with a soft brush, or dry cloth.
 - 6.2.3. Never use caustic agents to clean plastic parts. If dry cleaning is not sufficient, a mild detergent on a damp cloth is recommended.
 - 6.2.4. Water must never come into contact with the tool. Ensure the tool is thoroughly dry before using it. If available, use clean, dry, compressed air to blow through the ventilation holes (where applicable).
- 6.3. STORAGE**
 - 6.3.1. Store this tool carefully in a secure, dry place out of the reach of children.
- 6.4. BATTERY TOOL USE AND CARE**
 - 6.4.1. Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire. When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws, or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire. 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.
 - 6.4.2. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
 - × **DO NOT** use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
 - × **DO NOT** expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause explosion.
 - 6.4.3. Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

6.5. CLEANING THE EXHAUST PORT AND EMPTYING THE DUST BAG

- 6.5.1. After using the planer for an extended period of time or when planing wet or green lumber, chips may build-up in the exhaust port and require cleaning. Chip build-up restricts airflow and causes the motor to overheat. Clean the exhaust port and empty the dust bag regularly.
- 6.5.2. Remove the battery pack.
- 6.5.3. Remove the dust bag from the exhaust port.
- 6.5.4. Clean the chip or dust build-up from the exhaust port of the planer with a small piece of wood. Do not use your hands or fingers.
- 6.5.5. Empty all debris from the dust bag and ensure that the collar is free of debris.
- 6.5.6. Replace the dust bag.

6.6. REPLACING THE BELT



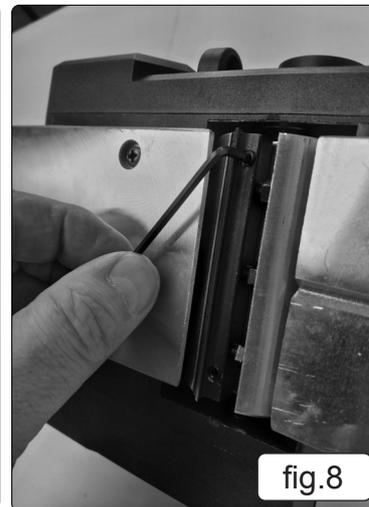
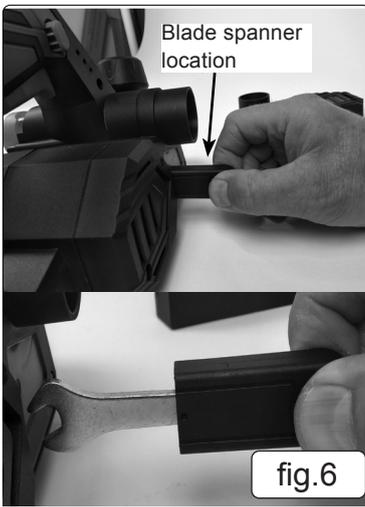
NOTE: When replacing the belt, use the recommended Sealey replacement belt only.

- 6.6.1. Remove the battery pack.
- 6.6.2. Remove belt cover screws.
- 6.6.3. Remove the belt cover.
- 6.6.4. Force the old belt from the small pulley by turning in the direction shown. As you turn the belt, pull and work it off the small pulley until it has been completely removed from both pulleys.
- 6.6.5. Install the new belt over the small pulley, being sure to align the grooves. As you turn the belt, push and work it onto the large pulley until it is in place.
- 6.6.6. Replace the belt cover.
- 6.6.7. Install belt cover screws and tighten securely.

NOTE: DO NOT over tighten the screws.

6.7. REPLACING BLADES

- WARNING:** Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally
- WARNING:** Always wear heavy leather gloves and use caution when loosening blade screws and handling and/or changing blades.
- 6.7.1. Blades are sharp and can cause serious personal injury. The planer blades are reversible. When one edge becomes dull, the blade can be reversed so that the other side can be used.
Always replace or reverse blades in pairs. Do not attempt to sharpen blades. If the blades in the planer show signs of becoming dull, chipped, or damaged in any way, replace them. When replacing the blades, use recommended replacement blade only.
- 6.7.2. Secure the planer in an upside-down position.
- 6.7.3. Loosen the three screws securing the blade on the blade holder by turning counter-clockwise with the provided blade spanner. (fig.6 and fig.7)
NOTE: DO NOT over-loosen the screws. If screws are too loose, alignment of the new blade will not be accurate.
NOTE: Before removing the old blades, take notice of the direction of cut as well as how the tapered edge of the old blades are oriented. The tapered edge of the new blades must be in the same orientation as the original blades, with the tapered edge on the same side as the screw heads and the flat edge facing the cutter block. (fig.8)
- 6.7.4. Depress the spring-loaded blade guard.
- 6.7.5. Push the blade holder out of the cutter block assembly using the tip of a screwdriver.
- 6.7.6. Remove the old blade from the blade holder by sliding the blade out using the tip of a screwdriver.
NOTE: If blade cannot be easily pushed out of blade holder after loosening blade securing screws, use a block of wood to break the blade loose from the blade holder with a short sharp blow. Then push the blade with a screwdriver to remove. If necessary, tap the block of wood sharply with a small hammer to break the blade loose.
- 6.7.7. Clean any sawdust or wood chips from around the blade area.
- 6.7.8. Slide the new blade into the slot of the blade holder.
- 6.7.9. Use a screwdriver to push the blade into the blade holder until it is centred into position.
- 6.7.10. Depress the spring-loaded blade guard.
- 6.7.11. Insert the blade holder into the cutter block assembly.
- 6.7.12. Tighten the three blade securing screws using the blade spanner. (fig.6)
- 6.7.13. Repeat the above procedure to change the other blade.



❑ **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): 6.13 m/s²

Uncertainty value (k): 1.5m/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.

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 HSE website www.hse.gov.uk - Hand-Arm Vibration at Work.



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.



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.



REGISTER YOUR PURCHASE HERE

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.

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

01284 757500

sales@sealey.co.uk

www.sealey.co.uk