20V SV20 BRUSHLESS CORDLESS NUT RIVETER - BODY ONLY

MODEL NO: **CP20VNR**

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 safety footwear


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, bystanders and pets away whilst operating a power tool. Distractions can cause you to lose control.
- ✓ 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.
- ✓ 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 wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- ✓ Remove battery pack from the tool before making any adjustments, changing accessories, or storing power tools.
- × **DO NOT** overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- × **DO NOT** wear loose clothing, jewellery and dress properly. Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- × **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.
- × **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.
- ✓ 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. Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure the safety of the power tool is maintained. Check for misalignment or biding of the moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, 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 results 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 situation.
- ✓ Hold the power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring. Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock
- ✓ 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.

2. INTRODUCTION

Suitable for aluminium rivet nuts with a pulling force of up to 4000N. Three selectable power settings to help preserve the battery by only supplying the force required. Quick release mechanism which allows for speedy mandrel changes. LED battery level indicator. Supplied with seven sets of threaded mandrels from M3 to M12 and fast charge mains charger. Requires compatible 20V battery and mains charger, sold separately.

3. SPECIFICATION

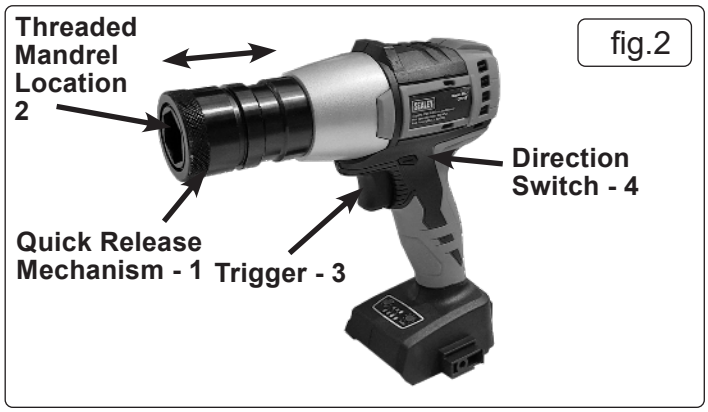
Battery: .....20V 2Ah - 6Ah Lithium-ion (not included)
Blind Rivet Type:..... Aluminium
Consumable Parts:CP20VBP2 - 2Ah Battery, CP20VBP4 - 4Ah Battery, CP20VBP6 - 6Ah Battery
Maximum Pulling Force:.....4000N
Nozzle Size(s):.....M3, M4, M5, M6, M8, M10, M12

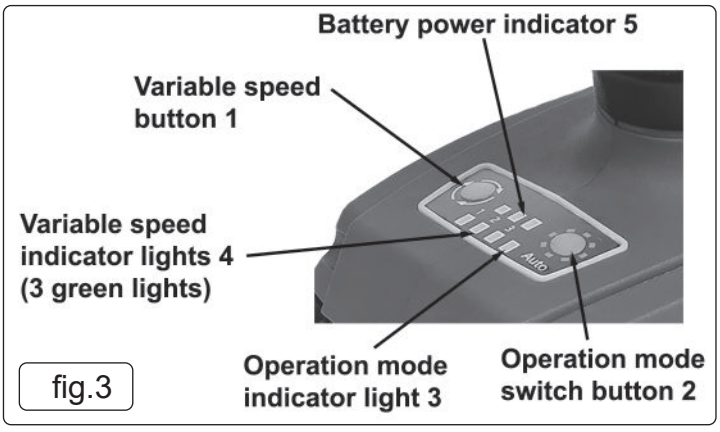
4. OPERATION

4.1. ATTACHING A THREADED MANDREL

4.1.1. Select correct size threaded mandrel required to suit nut rivet.
4.1.2. Remove rear drive coupling (fig 1 - 1) from threaded mandrel (fig 2 - 2) and secure onto hexagon drive shaft inside the quick release mechanism (fig 2 - 1).
4.1.3. Pull back the quick release mechanism (fig 2 - 1) and insert the threaded mandrel into the quick release mechanism ensuring that it locates onto the rear drive coupling.
4.1.4. Release the quick release mechanism to lock threaded mandrel in place.







4.2. REMOVING THE THREADED MANDREL

4.2.1. Pull back the quick release mechanism (fig 2 - 1) and remove the threaded mandrel and rear drive coupling (fig 1 - 1).
4.2.2. Release the quick release mechanism.

4.3. USING THE NUT RIVETING GUN

The nut riveter has two modes: Manual Operation and Intelligent Automatic Operation.
NOTE: The nut riveting gun is suitable for **ALUMINIUM** rivet nuts only. Using the nut riveting gun with nut inserts other than aluminium nut inserts, will damage the threaded mandrel and invalidate the warranty.
NOTE: Prior to using the nut riveter, it may be practical to practise using the nut riveter on a test piece.

❑ **WARNING!** Ensure that the direction switch (fig 2 - 4) is fully pushed through from the right side (direction arrow pointing towards quick release mechanism) to left side. If the direction switch is pushed in the other direction the nut riveting function will not operate.

4.4. MANUAL OPERATION MODE

4.4.1. Press the operation mode switch button (fig 3- 2) and the operation mode indicator light (fig 3 - 3) will turn on permanently.
4.4.2. Pull the trigger (fig 2 - 3) and the nut riveting will begin.
4.4.3. When the nut riveting process is complete, release the trigger and the threaded mandrel (fig 3 - 2) will reverse out of the nut insert.
NOTE: The time required to complete the nut riveting is determined by the thickness of the riveted material and size of the nut insert.

4.5. INTELLIGENT AUTOMATIC OPERATION MODE

This operation can be used when there is a quantity of nut riveting to be completed on the same material thickness and nut inserts.
4.5.1. Complete the first nut riveting operation as detailed in section 4.7.
4.5.2. Press the operation mode switch button (fig 3- 2) and the operation mode indicator light (fig 3 - 3) will flash.
4.5.3. The nut riveter will retain the last nut riveting settings.

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4.5.4. For the remaining nut inserts, pull the trigger (fig 3 - 3) and the nut riveting operation will complete automatically.

4.5.5. To switch back to manual operation mode press the operation mode switch button (fig 3 - 2) and the operation mode indicator light (fig 3 - 3) will turn on permanently.

4.6. VARIABLE SPEED OPERATION

4.6.1. To select the speed required press the variable speed button (fig 3 -1) once for low speed (one green light), twice for mid speed (two green lights) and three times for maximum speed (three green lights).
NOTE: Variable speed is not available if nut riveter is in automatic operation mode.

4.7. TRIGGER OPERATION

4.7.1. The rotational speed can be controlled by the trigger (fig 2 - 3). Pull the trigger slightly for low rotational speed. To increase the speed pull further on the trigger.

4.8. BATTERY POWER INDICATOR

4.9. When all the battery indicator lights (fig 3 - 5) are on, the battery is at full charge.

5. MAINTENANCE

❑ **WARNING:** Ensure battery is removed before performing any maintenance or making adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

5.1. 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.

5.2. Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorised service providers.

5.3. Use a clean cloth to remove dirt, dust oil, grease etc.

× **DO NOT** use solvents to clean the nut riveter.

❑ **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): 0.079 m/s²
Uncertainty value (k): 1.5 m/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.
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.

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.



BATTERY REMOVAL

Under the Waste Batteries and Accumulators Regulations 2009, Jack Sealey Ltd are required to inform potential purchasers of products containing batteries (as defined within these regulations), that they are registered with Valpak's registered compliance scheme. Jack Sealey Ltd's Batteries Producer Registration Number (BPRN) is BPRN00705.

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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