



BRUSHLESS ANGLE GRINDER DIA 115MM 20V - BODY ONLY

MODEL NO: **CP20VAGX**

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 ear protection



Wear protective gloves

1. SAFETY

1.1. GENERAL SAFETY.

- ✓ Disconnect the grinder from the mains power before changing accessories, servicing or performing any maintenance.
- ✓ Maintain grinder and discs in good condition. Check moving parts and alignment. If necessary use an authorised service agent.
- ✓ Replace or repair damaged parts. *Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- ☐ **WARNING!** Always work with the grinder safety guard in place.
- ✓ Wear approved safety goggles, ear defenders, gloves and, if grinder generates dust, a dust mask.
- ✓ The grinding wheel or disc must only be changed by persons holding an appropriate grinding wheel certificate.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery and contain long hair.
- ✓ Use grinder in a suitable work area. Keep area clean, tidy and free from unrelated materials and ensure adequate lighting.
- ✓ Maintain correct balance and footing. **DO NOT** over-reach. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Use only approved grinding discs and only use the normal grinding surface.
- ✓ Check grinding disc to ensure there are no splits, cracks or other damage (see Section 6). If in doubt do not use the disc.
- ✓ Grinding discs must be securely attached before use, but not over-tightened.
- ✓ Secure unstable workpiece with a clamp, vice or other adequate holding device and ensure the grinder is gripped with both hands.
- ✓ Keep non-essential persons away from the working area, use screens if necessary.
- ✗ **DO NOT** operate the grinder if any parts are missing or the grinder is damaged.
- ✗ **DO NOT** use the grinder for a task it is not designed to perform.
- ✗ **DO NOT** operate the grinder where there are flammable solids, liquids or gasses.
- ☐ **WARNING! DO NOT** grind any materials containing asbestos.
- ✗ **DO NOT** get the grinder wet or use in damp or wet locations.
- ✗ **DO NOT** switch the grinder on whilst the disc is in contact with the workpiece.
- ✗ **DO NOT** cover the grinder air vents. To do so will overheat the machine.
- ✗ **DO NOT** touch the workpiece immediately after grinding, it will be very hot.
- ✗ **DO NOT** use the grinder as a fixed tool and **DO NOT** try to cool the grinding disc with water or other lubricants.
- ✗ **DO NOT** hold unsecured work in your hand and **DO NOT** touch the grinding disc whilst operating, or whilst plugged into the mains power.
- ✗ **DO NOT** leave the grinder running unattended, and **DO NOT** lay the grinder down whilst it is running.
- ✗ **DO NOT** operate the grinder when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✓ When not in use switch off grinder, remove plug from power supply and store in safe, dry, childproof area.

DANGER OF FIRE/EXPLOSION HAZARD

- ☐ **WARNING!** The grinding process can produce streams of sparks which are a potential source of ignition, especially when grinding metal.
- ✗ **DO NOT** use the grinder where there are flammable liquids, solids or gases.
- ✗ **DO NOT** allow grinder sparks to make contact with the operator's clothing or any other fabric such as cleaning rags. Fabrics contaminated with flammable materials such as petrol, oil, grease, paint and solvents are a particular fire hazard.
- ✓ **To reduce the risk of clothing catching fire the operator should wear wool or cotton outer garments treated with a fire retardant in preference to man-made fibres.**

2. INTRODUCTION

The 20V Series has been designed to suit users from the DIY enthusiast to the professional. These body only tools offer a one battery fits all solution with a choice of 20V lithium batteries ranging from 2Ah to 4Ah, meaning costs can be kept down whilst quality remains high. Quality, stylish, lightweight tools with durable composite housing and a soft grip making them comfortable and easy to use.

3. SPECIFICATION

Model No:	CP20VAGX
Free Speed:	10,000RPM
Disk size	Ø 115mm
Spindle size:	M14
Motor power	48W
Net weight:	3.7kg
Noise Power	97dB(A)
Noise Pressure	86dB(A)
Vibration	5.598m/s ²
Uncertainty	1.5m/s ²
Nett weight:	3.7kg
Consumables:	
Battery:	20V 2Ah-4Ah Li-ion (not included)
2Ah Battery	CP20VBP2
3Ah Battery	CP20VBP
4Ah Battery	CP20VBP4
Mains charger	CP20VMC



4. OPERATION

☐ **WARNING:** Remove battery before fitting / removing wheels or maintenance is carried out.

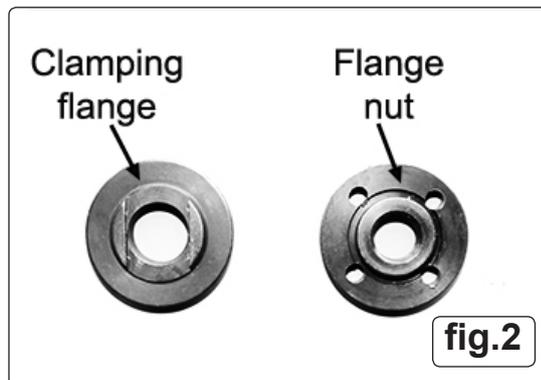
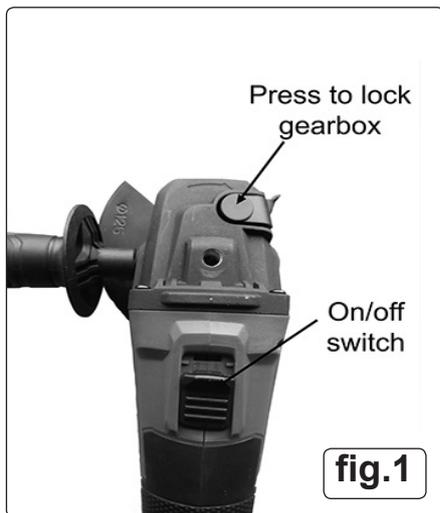
4.1. Ensure that you have read, understood and comply with all the safety instructions in Section 1.

4.2. **TO REMOVE BATTERY**

4.2.1. To remove the battery from the equipment, depress the spring loaded buttons on the battery pack. Remove the battery pack by sliding out. **DO NOT** touch the metal battery terminals.

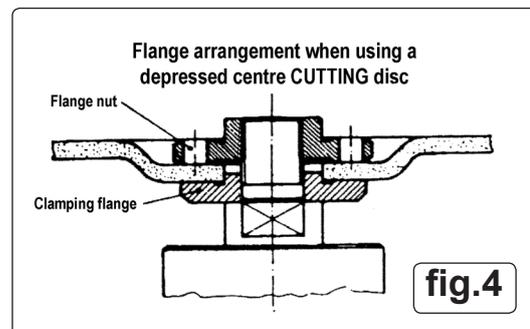
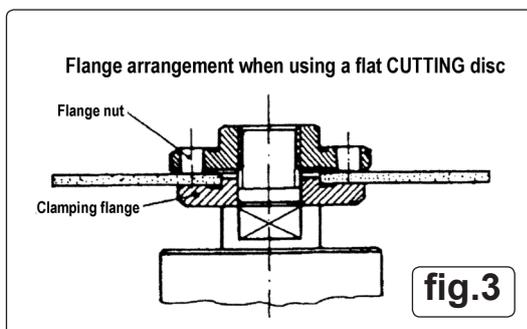
4.3. **FITTING A DISK**

4.3.1. Lock gearbox in order to undo or tighten flange and clamp nut (fig.2). Depress button on the top surface of the tool head (fig.1).

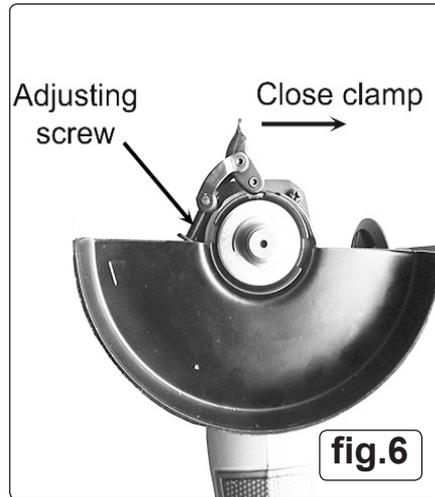
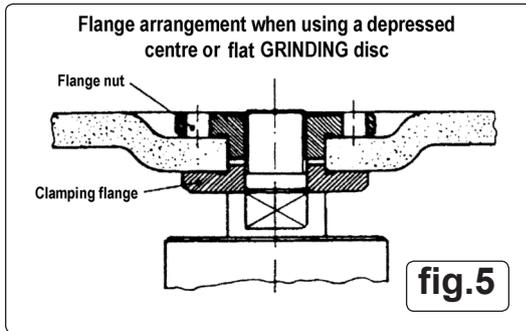


4.3.2. **FLAT CUTTING DISK fig.3**

4.3.3. **DEPRESSED CENTRE CUTTING DISK fig.4**



4.3.4. DEPRESSED CENTRE OR FLAT GRINDING DISK fig.5



4.4. GUARD ADJUSTMENT fig.6

- WARNING:** Always work with guard in place.
- WARNING:** Remove battery before fitting / removing wheels or maintenance is carried out.

4.4.1. Open clamp by raising lever and rotate to required location.

4.4.2. Clamping force can be adjusted by screwing in the adjusting screw.

4.5. PREPARATION

4.5.1. Attach grinding/cutting disc according to section 4.3 and position the handle grip conveniently for the task.

4.5.2. Ensure the disc safety guard is correctly positioned.

- WARNING!** When the grinder first starts it will kick to the right. You must ensure, therefore, that the tool is securely gripped in both hands. Especially important is the position you choose for the side handle in order to maintain stability.

- WARNING!** Before use, ensure that you are wearing approved safety goggles, ear defenders, appropriate dust mask if dust will be generated and safety gloves, and that all other safety instructions in Section 1 are followed carefully.

4.6. ON/OFF SWITCH fig.1

4.6.1. The ON/OFF (I/O) switch (fig.1) is designed to avoid accidental starting. Slide it forward and then depress to lock in the ON position.

4.6.2. To release the ON switch press it's rear edge and it will return to the OFF position.

5. CONSUMABLES

- WARNING! DO NOT USE DISCS THAT ARE DAMAGED, OR SUSPECTED TO BE DAMAGED.**

5.1. Before using a grinding/cutting disc ensure that there are no fissures or cracks. Once mounted on the grinder, test the disc before use by facing the grinder in a safe direction (point away from yourself, others and vulnerable items) and run for a short time.

- ▲ **DANGER!** Use of damaged discs is dangerous and may cause personal injury.

5.2. Grinding and cutting discs used in association with this machine shall be of an adequate speed rating and be suitable for the job in hand. The discs shall be made in accordance with British Standard 4481:Part 1 1989. Only persons holding a grinding wheel certificate are authorised to change grinding discs. Ensure that the speed rating on the disc is equal to, or higher than, that of the grinder.

6. MAINTENANCE

- WARNING:** Always disconnect the battery before carrying out any inspection, maintenance or cleaning.

6.1. GENERAL INSPECTION

6.1.1. Regularly check that all the fixing screws are tight.

6.1.2. Repairs should be carried out by an authorised service centre.

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.

6.2.5. If available, use clean, dry, compressed air to blow through the ventilation holes (where applicable).

6.3. LUBRICATION

6.3.1. Lightly lubricate all moving parts at regular intervals with a suitable spray lubricant.

6.4. STORAGE

6.4.1. Store this tool carefully in a secure, dry place out of the reach of children.

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):5.598m/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.

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.



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.

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 36 months labour and two years parts warranty from purchase date, proof of which is required for any claim.

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