



# INSTRUCTIONS FOR: CORDLESS LITHIUM-ION ANGLE GRINDER Ø115MM 18V 1HR CHARGE - 2 BATTERIES MODEL No: CP5418V

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, AND CAUTIONS. USE THIS 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.**

## 1. SAFETY INSTRUCTIONS

### 1.1 GENERAL SAFETY.

- ✓ Disconnect the battery from the grinder unit before changing accessories, servicing or performing any maintenance.
- ✓ Maintain the grinder and battery in good condition. Check moving parts alignment on a regular basis.
- ✓ Replace or repair damaged parts. *Use an authorised service agent and recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- ✓ Ensure the grinder is switched off before installing the battery.
- ✓ Keep the grinder battery and charger clean for best and safest performance.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery and contain long hair.
- ✓ Evaluate your working area before using the grinder e.g. ceiling, floors and enclosures may contain electrical items or water piping.
- ✓ Ensure battery is correctly inserted into the grinder handle and latched in place before attempting to switch on.
- ✓ Secure loose workpieces with a clamp, vice or other adequate holding device.
- ✓ Avoid unintentional starting.
- ✓ Wear approved safety eye protection (standard spectacles are not adequate).
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-skid shoes.
- ✓ Be aware that this grinder does not need to be plugged into the mains power.
- ✓ Keep children and unauthorised persons away from the working area.
- x **DO NOT** use the grinder where there are flammable liquids, solids or gases, such as paint solvents, etc.
- x **DO NOT** allow children to operate the grinder.
- x **DO NOT** operate the grinder if any parts are missing as this may cause failure or possible personal injury.
- x **DO NOT** hold unsecured workpiece in your hand.
- x **DO NOT** carry the grinder with your finger on the power trigger.
- x **DO NOT** use the grinder for a task it is not designed to perform.
- x **DO NOT** operate the grinder when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- x **DO NOT** get the grinder, battery or charger wet or use in damp or wet locations.
- ✓ Keep the grinder, battery and charger in a safe, dry, childproof area where the temperature will not exceed 104°F (40°C).

### 1.2 ELECTRICAL SAFETY.

#### **REGARDING DIRECT MAINS POWER USE WITH THE CHARGING BASE AND PLUG ONLY.**

- **WARNING!** It is the owner's responsibility to read, understand and comply with the following electrical instructions: You must ensure the risk of electric shock is minimised by the installation of appropriate safety devices. An RCCB (Residual Current Circuit Breaker) should be incorporated in the main distribution board. We also recommend that an RCD (Residual Current Device) is used with all electrical products, particularly portable equipment which is plugged into an electrical supply not protected by an RCCB. **You must** also read and understand the following instructions concerning electrical safety.
- **The Electricity At Work Act 1989 requires all portable electrical appliances, if used on business premises, to be tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.**
- **The Health & Safety at Work Act 1974** makes owners of

electrical appliances responsible for the safe condition of the appliance, and the safety of the appliance operator. **If in any doubt about electrical safety, contact a qualified electrician**

### • Battery Charger Safety Instructions

- **WARNING! DO NOT** use the charging base to charge any battery other than that required for the tool. Other types of batteries may explode!
- ✓ Inspect the plug, cable and the charging base for wear and damage to ensure items are safe before connecting to the mains power supply. If worn or damaged **DO NOT** use, immediately replace, or contact a qualified electrician.
- ✓ Check cables are always protected against short circuit and overload.
- ✓ Uncoil the power cable between the plug and the charging base before use.
- x **DO NOT** pull or carry the charging base by the charger power lead, or pull the plug from the mains socket by the power lead.
- x **DO NOT** use any other type of transformer with the charging base.
- x **DO NOT** try to open or dis-assemble the plug or charging base.
- x **DO NOT** use the plug to power any other electrical item.
- ✓ Disconnect the charging base from the mains power supply when not in use.
- x **DO NOT** expose the charging base to damp or wet conditions (for indoor use only).
- x **DO NOT** operate the charging base if it has been dropped, or has received a sharp knock, or is damaged. Contact an authorised service agent.
- x **DO NOT** dismantle the charging base as this may cause damage or personal injury and will invalidate your warranty.
- x **DO NOT** insert foreign objects or material into the slot reserved for the battery.
- x **DO NOT** immediately charge a second battery. Consecutive charging will overheat the charging base. Allow the unit to cool for 15 minutes before charging the next battery.
- ✓ Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
- ✓ Ensure that cables are always protected against short circuit and overload.
- x **DO NOT** use worn or damaged cables, plugs or connectors. Immediately have any faulty item repaired or replaced by a qualified electrician.

### 1.3 BATTERY SAFETY INSTRUCTIONS.

- **WARNING! Battery contains Lithium-ion which is dangerous. Handle with care to avoid damage, fire, corrosion or personal injury.**
- ✓ Charge battery prior to its first use. The battery will have been shipped in a low charge state.
- To reduce the risk of burns or fire:**
- x **DO NOT** Attempt to open, disassemble, modify or service the battery pack.
- x **DO NOT** Crush, puncture, short external contacts or dispose of in fire or water.
- x **DO NOT** Expose to temperatures above 40°C (104°F).
- ✓ Replace only with the battery pack designated for this product.
- ✓ Use only the charging base provided to charge the drill battery.
- x **DO NOT** attempt recharging the battery by means of an engine generator or a DC power source.
- **WARNING! Dispose of spent batteries correctly as they contain Lithium-ion. DANGER! DO NOT attempt to disassemble the**

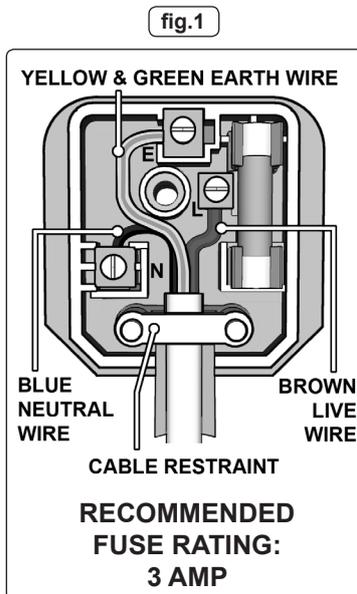
battery. For safety and environmental reasons **DO NOT** discard in domestic waste or by burning. **ONLY** discard or recycle according to local authority regulations.

- ❑ **WARNING! DO NOT** allow a leaking battery to contact your person. If you come into contact with battery liquid take the following immediate action:
  - ❑ **a) Skin contact:** Wash immediately with soap and water, then wash flesh in either lemon juice or vinegar.
  - ❑ **b) Eye contact:** Wash with a strong solution of boric acid, and seek immediate medical attention.

#### 1.4 Wiring a BS 1363/A UK 3 Pin Plug

If in doubt contact a qualified electrician.

- a) Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.
  - b) Connect the BROWN live wire to the live terminal 'L'.
  - c) Connect the BLUE neutral wire to the neutral terminal 'N'.
  - d) After wiring, check that there are no bare wires, that all wires have been correctly connected, that the cable outer insulation extends beyond the cable restraint and that the restraint is tight.
- Double insulated products, which are always marked with this symbol , are fitted with live (brown) and neutral (blue) wires only. To rewire, connect the wires as indicated in diagram. **DO NOT** connect either wire to the earth terminal.



Grinder profile, battery fitted, grinding disc not fitted



I/O Switch, slide fully up to start, press I/O tab end to stop.

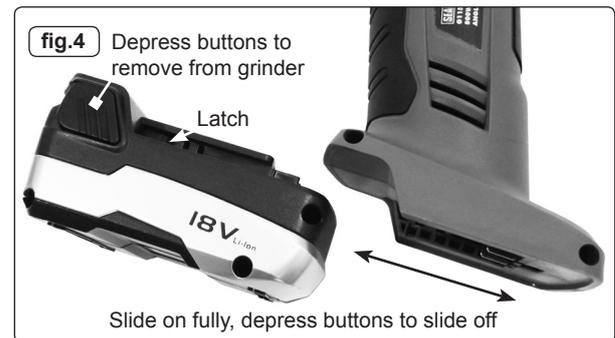


fig.4 Depress buttons to remove from grinder

Latch  
Slide on fully, depress buttons to slide off

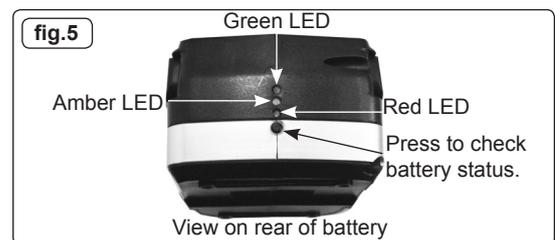


fig.5

Green LED  
Amber LED  
Red LED  
Press to check battery status.  
View on rear of battery



fig.6

Red LED  
Green LED  
Charger base, battery fully engaged

## 2. INTRODUCTION & SPECIFICATIONS

Lightweight and compact design. Features heavy-duty alloy bevel gear head with aluminium gear casing and adjustable grinding disc guard. Features spindle lock for quick disc changes. Supplied with side handle and soft grip body for added comfort and control. Powered by Lithium-ion battery, which maintains a high energy density level with a flat discharge curve - performing better and longer than a conventional Ni-CD/Ni-MH battery. No memory effect allows the battery to recover from a deep discharge with no tendency to reduce overall capacity. Supplied with 1 hour mains charger, two batteries, pinned wrench, hex key and canvas storage bag.

<b>Model No:</b> .....	<b>CP5418V</b>
Battery type:.....	Li-ion 18V 1.3Ah
Disc Size:.....	Ø115mm
Spindle Thread Size:.....	M10
Motor Power:.....	800W
No Load Speed:.....	7000rpm
Noise Power:.....	87.67dB(A)
[Certainty value] (K):.....	3dB(A)
Noise Pressure:.....	76.67dB(A)
[Certainty value] (K):.....	3dB(A)
Replacement battery:.....	CP5418VBP
Weight (including battery):.....	3.5kg

### 3. BATTERY CHARGING

**Note:-** When new, the batteries will have been shipped in a low charge state. Fully charge the batteries before using your tool.

- 3.1 To remove the battery from the grinder, depress the two spring loaded buttons with thumb and forefinger (fig.4). This action disengages two retaining latches (fig.4) enabling battery removal by sliding. **DO NOT** touch the metal battery terminals.
- 3.2 Take the base charger and plug it into the mains, the Red LED (fig.6) on the charger will illuminate .
- 3.3 The battery is designed to fit into the charger one way only. This is to ensure that the positive (+) and negative (-) polarities correspond. Insert the battery fully and firmly to seat the battery into the charging base, as in fig.6.
- 3.4 When the battery is inserted into the charger the green LED (fig.6) will illuminate and pulse on/off, this indicates the battery is now charging. Simultaneously and momentarily the red LED on the charger will illuminate and pulse on/off before illuminating permanently.
- 3.5 When the green LED illuminates permanently (fig.6) the battery is fully charged. The red LED will extinguish. A one hour charge from flat; less from partially charged.
- 3.6 During the charging process the battery status can be checked by pressing the button as indicated in fig.5. Red LED illuminated indicates battery is "flat", red and amber indicates partially charged, red, amber and green indicates virtually to fully charged.
- 3.7 Remove the battery from the charger. Switch off and remove the plug from the mains. Push the battery back into the grinder (fig.4) until it snaps into place. The grinder is now ready for use.

### 4. GRINDING WHEEL FITTING

**Note:- Battery removed to avoid accidental starting.**

- 4.1 Clamp the wheel guard to the neck of the grinder with a 4mm allen key (supplied). The orientation can be changed to suit the task later.
- 4.2 Fit the side auxiliary handle to the user preferred side (fig.2).
- 4.3 Fit the inner clamp ring (fig.7), registering slot flats with the spindle flats.
- 4.4 Offer a grinding wheel/cutting disc (115mm diameter with \*22mm diameter bore and boss minimum thickness 3mm) on to the inner clamp ring spigot. If the boss thickness is less than 3mm, reverse the clamp ring fitting in 4.5 such that the spigot is outboard (fig.1).
- 4.5 Wind on the outer clamp ring with the 22mm diameter spigot inboard entering the grinding wheel bore.
- 4.6 With the supplied pinned wrench, clamp the grinding wheel/cutting disc. Resistance to the gearbox turning in this process is offered by pressing the button on the casing head (fig.3). Turn the wheel and press the button until the locking position is found.
- 4.7 Read the instructions for operation of the grinder and then fit the charged battery.

\*14mm bore grinding wheel/cutting discs (not recommended) must be clamped spigot to spigot.

### 5. OPERATION

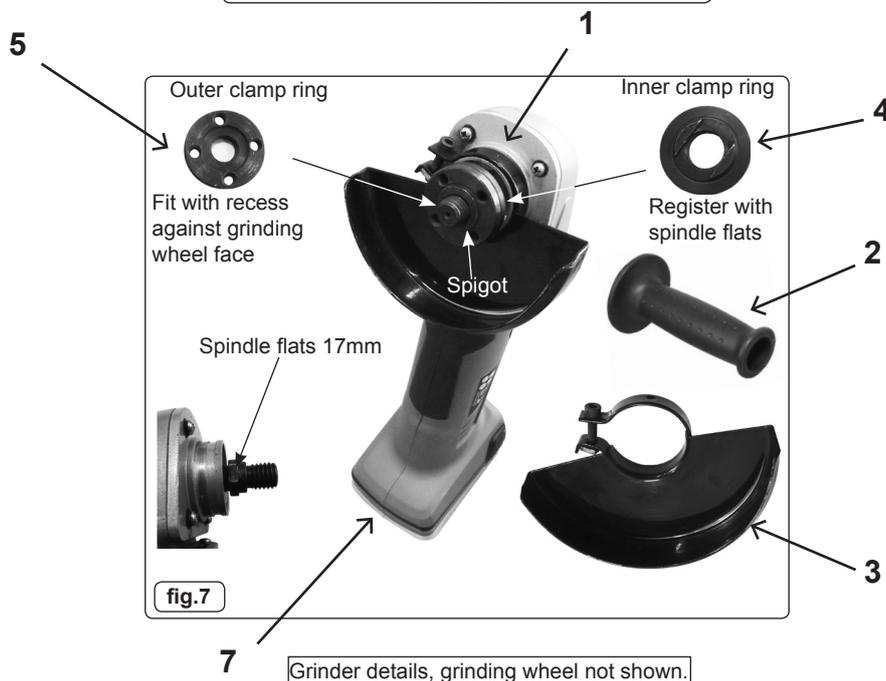
**Note:- The operator should now be wearing the correct protective clothing, goggles and ear defenders.**

- 5.1 Fit the pre-charged battery with the "I/O" switch on the grinder set to the "O" position in fig.3.
- 5.2 With a firm grip on the grinder barrel handle and the auxiliary handle; start the grinder by sliding the "I/O" switch in the "I" direction until it stops and "snaps" locked. Some minor inertia will be felt by the user and care must be taken with the grinding wheel now spinning at 7000rpm.
- 5.3 To stop the grinder, press down on the "I/O" tab (fig.3).
- 5.4 On completion of tasks, clean all items and store in the supplied canvas carry bag.

### 6. CONTENTS

*Legend of grinder parts:-	
1	Grinder assembly
2 (6)	Auxiliary handle
3 (46)	Guard, clamp screw and nut
4 (52)	Inner clamp ring
5 (47)	Outer clamp ring
6	Pinned chuck spanner (not shown)
7 (31)	Rechargeable batteries (2 supplied)
9	Mains charger, lead and plug (fig.6)
10	Canvas carry bag (not shown)

\* Legend item numbers relate to fig.7 only, numbers in brackets relate to parts diagram.



**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.

**This tool has been tested in accordance with:** EN ISO 28927-1:2009 & BS EN ISO 15744:2008.

Declaration and verification of Vibration Emission figures are in accordance with EN 12096:1997

**Measured vibration emission value (a):** 1.87 m/s<sup>2</sup>

**Uncertainty value(k):** <1.50m/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.



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



**Environmental Protection.**

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycle centre and disposed of in a manner which is compatible with the environment.



**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. 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.

**Parts support is available for this product. To obtain a parts listing and/or diagram, please log on to [www.sealey.co.uk](http://www.sealey.co.uk), email [sales@sealey.co.uk](mailto:sales@sealey.co.uk) or telephone 01284 757500.**

**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.

**INFORMATION:** For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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