



## INSTRUCTIONS FOR

# ANGLE GRINDER SLIM Ø115MM 750W/230V

MODEL NO: **SGS115**

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 protective gloves



Wear safety footwear



Wear protective clothing



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 dealer.  
if the 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.
- ✓ Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
- ✓ Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that they are secure.
- ✓ 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.

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'.

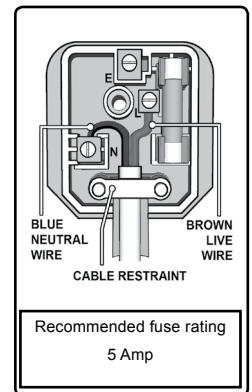
C) After wiring, check that there are no bare wires and ensure that all wires have been correctly connected.



Ensure that the cable outer sheath extends inside the cable restraint and that the restraint is tight.

**DO NOT** connect either wire to the earth terminal.

Sealey recommend that repairs are carried out by a qualified electrician.



### 1.2. 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.
- ✓ Keep the grinder clean for best and safest performance.
- WARNING!** Always work with the grinder safety guard in place.
- ✓ Wear approved safety goggles, ear defenders, appropriate dust mask if grinder generates dust and safety gloves.
- ✓ 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 that there is adequate lighting.
- ✓ Maintain correct balance and footing. **DO NOT** over-reach and ensure that the floor is not slippery. Wear non-slip shoes.
- ✓ Use only approved grinding discs and only use the normal grinding surface. Never use the side or upper surface of disc for cutting.
- ✓ The grinding disc may only be changed by a person holding a grinding wheel certificate.
- ✓ Check grinding disc to ensure it is not split, cracked or damaged in anyway. If in doubt do not use the disc.
- ✓ Grinding discs must be securely attached before use, but not overtightened.
- ✓ Secure unstable work piece with a clamp, vice or other adequate holding device and ensure that the grinder is gripped with both hands.
- ✓ Keep children and unauthorised persons away from the work area.
- ✗ **DO NOT** operate the grinder if any parts are missing or damaged.
- ✗ **DO NOT** use the grinder for a task it is not designed to perform.
- WARNING! DO NOT** grind or sand 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 work piece.
- ✗ **DO NOT** cover the grinder air vents. To do so will overheat the machine.
- ✗ **DO NOT** touch the work piece immediately after grinding as it will be very hot.
- ✗ **DO NOT** use the grinder as a fixed tool, and **DO NOT** try to cool the grinding discs 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.
- WARNING!** The grinding process can produce streams of sparks (especially when grinding metal) which are a potential source of ignition.
- ✗ **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 inflammable 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.
- 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): ..... 5.30 m/s<sup>2</sup>  
 Uncertainty value (k): ..... 1.5 m/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.

## 2. INTRODUCTION

Slim ergonomic body ensures a firm grip while performing various tasks. Features heavy-duty alloy bevel gear head with composite body casing and spindle lock for fast loading/unloading of discs. 750W motor develops powerful 12000rpm (no load speed). Supplied with side handle, guard and spanner. Fitted with 2mtr power cable and BS approved plug. Cutting disc not included, order Model No. PTC/115C.

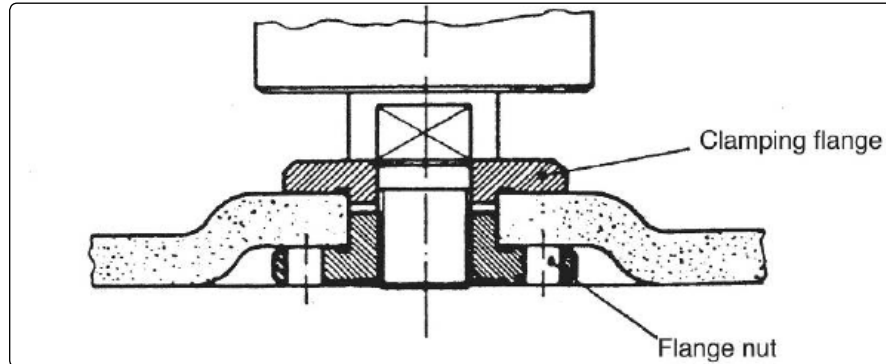
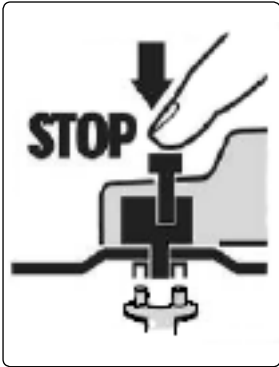
## 3. SPECIFICATION

Model No.....SGS115  
 Disc Size .....Ø115mm  
 Spindle Size ..... M14 x 2mm  
 Motor Power.....750W  
 Supply .....230V  
 No load speed ..... 12000rpm  
 Weight..... 1.8kg

## 4. OPERATION

- 4.1. **Before use**
  - 4.1.1. Always check the mains supply voltage before use! It must correspond with the rating label on the appliance.
  - 4.1.2. Remove any packing material and loose parts from unit.
- 4.2. **Disc guard**
  - WARNING!** The grinder should be used only with guard.
  - 4.2.1. The position of the disc guard can be adjusted to suit the working conditions.
  - 4.2.2. To adjust the disc guard. Loosen the bolt clamping the guard, turn the guard to the desired position, re-tighten the bolt firmly.
    - WARNING!** The closed disc guard should always point towards the user to protect him from sparks and chippings.
- 4.3. **Auxiliary handle**
  - WARNING!** The machine should be used only with both handles.
  - 4.3.1. Depending on the working method, the auxiliary handle can be mounted in two different positions on the grinding head.
    - ✗ **DO NOT** continue to use an auxiliary handle if it is damaged.

- 4.4. Disc selection
- ✘ **DO NOT** use accessories which are not specifically designed for the grinder.
- 4.4.1. Always check the disc which will be used, is fit for purpose.
- ☐ **WARNING! NEVER USE A CUTTING DISC FOR GRINDING.**
  - ☐ **WARNING! NEVER USE A GRINDING DISC FOR CUTTING.**
- 4.5. **Mounting disc**
- 4.5.1. Depending on the type of work to be done, always select a suitable disc.
- 4.5.2. The mounting hole of disc must fit with the mounting flange. Do not use reducers or adapters.
- 4.5.3. The direction-of-rotation arrow on disc and machine (see direction-of-rotation arrow on the machine head) should be same.
- ✘ **DO NOT** use discs whose diameter is larger than that indicated.
- 4.5.4. The maximum rotation speed of disc must be greater than the idling speed of the machine.
- 4.5.5. To assembly the disc, press the spindle-lock button and hold it in this position continuously. If necessary, turn the spindle slightly with the free hand until it locks into position.
- 4.5.6. Put the disc between two parts of flange and then tighten it with the spanner provided.
- 4.5.7. Vibrating discs must be replaced immediately.



- 4.6. **Removing disc**
- 4.6.1. To remove the disc, press the spindle-lock button and hold it in this position continuously. If necessary, turn the spindle slightly with the free hand until it locks into position.
- 4.6.2. Loose the flange with the spanner provided and then remove the disc from the spindle.
- ☐ **WARNING! Check the diameter of disc regularly during use. If it is less than 80mm, replace it!**
- 4.7. **On/Off switch**
- 4.7.1. Use the On/Off switch to start the grinder and keep holding it for continuous operation.
- 4.7.2. To switch the machine off, release the On/Off switch.
- 4.8. **Locking function**
- 4.8.1. The On/Off switch can hold the switch on position for continuous grinding.
- 4.8.2. To lock the on/off switch, push the On/Off switch forward to lock position, release the switch. The angle grinder will continue to operate until the on/off switch is released.
- 4.8.3. To release the on/off switch, just press it down. It will return to original position automatic.
- 4.8.4. To switch the machine off, release the On/Off switch.
- 4.8.5. Machines with a lockable switch are supplied with a restart cut out. This prevents the machine restarting by itself after a power failure. When resuming work, switch the machine off and then switch it back on again.
- 4.9. **Working advice**
- 4.9.1. Having used the grinder, continue to run it at no-load for several minutes to cool down the cutting/grinding tool discs become very hot while in operation, do not touch until they have cooled.
- 4.9.2. When using grinding discs, make sure grinding disc touch the work piece at approximately 15° to 30° and move slowly.
- ☐ **WARNING! DO NOT** apply a large force to the grinder. Best results can be obtained by only a light pressure on the tool. Excessive force will damage the disk and could cause serious personal injury.

## 5. MAINTENANCE

- 5.1. Keep the ventilation openings clear and clean the grinder regularly.
- 5.2. If something unusual occurs during use, switch off the supply and disconnect the plug. Inspect and repair the grinder before using it again.
- 5.3. Repair of the grinder must only be carried out by a qualified repair technician. Repair or maintenance by unqualified personnel can lead to a risk of injury. **Use only genuine spare parts for repairing grinder.** Clean the housing only with a damp cloth-do not use any solvents! Dry thoroughly afterwards.
- 5.4. Replacement of carbon brushes
- The carbon brushes should be changed regularly. Both carbon brushes should be changed at the same time. Exchanging the carbon brushes should be done by a qualified repair technician

**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.**



**Environmental 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 off any fluids (if applicable) into approved containers and dispose of the product and the fluids according to local regulations.



**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.

**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.



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