

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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1.1 ELECTRICAL SAFETY

WARNING! It is the responsibility of the owner and the operator to read, understand and comply with the following:

You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage. You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices. A Residual Current Circuit Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a Residual Current Device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by an RCCB. If in any doubt consult a qualified electrician. You may obtain a Residual Current Device by contacting your Sealey dealer.

You must also read and understand the following instructions concerning electrical safety.

1.1.1 The Electricity at Work Act 1989 requires that all portable electrical appliances, if used on business premises, are tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.

1.1.2 The Health & Safety at Work Act 1974 makes owners of electrical appliances responsible for the safe condition of those appliances and the safety of the appliance operators. If in any doubt about electrical safety, contact a qualified electrician.

1.1.3 Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply. See 1.1.1. and 1.1.2. and use a Portable Appliance Tester.

1.1.4 Ensure that cables are always protected against short circuit and overload.

1.1.5 Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that none is loose.

1.1.6 Important: Ensure that the voltage marked on the appliance matches the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating at right.

1.1.7 DO NOT pull or carry the appliance by the power cable.

1.1.8 DO NOT pull the plug from the socket by the cable.

1.1.9 DO NOT use worn or damaged cables, plugs or connectors. Immediately have any faulty item repaired or replaced by a qualified electrician. When a BS 1363/A UK 3 pin plug is damaged, cut the cable just above the plug and dispose of the plug safely.


Fit a new plug according to the following instructions (UK only).

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 above.

DO NOT connect either wire to the earth terminal.

1.1.10 Products which require more than 13 amps are supplied without a plug. In this case you must contact a qualified electrician to ensure that a suitably rated supply is available. We recommend that you discuss the installation of an industrial round pin plug and socket with your electrician.

1.1.11 If an extension reel is used it should be fully unwound before connection. A reel with an RCD fitted is preferred since any appliance plugged into it will be protected. The cable core section is important and should be at least 1.5mm², but to be absolutely sure that the capacity of the reel is suitable for this product and for others which may be used in the other output sockets, we recommend the use of 2.5mm² section cable.

1.2 General Safety

WARNING! Disconnect the SM1311 from the mains power before changing accessories, servicing or performing any maintenance.

✓ Locate the machine in a suitable working area. Use the planer on a strong flat working surface. Keep area clean and tidy and free from unrelated materials and ensure there is adequate lighting.

✓ Maintain in good condition (use an authorised service agent).

✓ Replace or repair damaged parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.

✓ Keep the SM1311 clean for best and safest performance and check moving parts alignment regularly.

✓ Wear approved eye safety protection.

✓ Handle loose blades with gloves or cloth as they are very sharp, but DO remove gloves and/or cloth before operating the SM1311.

✓ Keep your hands and fingers away from the blade when operating.

✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery, and contain long hair.

✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.

✓ Ensure there are no foreign objects in the workpiece i.e. nails or screws.

x DO NOT start with the workpiece touching the blade.

x DO NOT use the SM1311 for a task it is not designed to perform.

x DO NOT allow untrained persons to operate the SM1311, keep children and unauthorised persons away from the working area.

x DO NOT get the SM1311 wet or use in damp or wet locations or areas where there is condensation.

x DO NOT use SM1311 where there are flammable liquids, solids or gases such as paint solvents, waste wiping or cleaning rags etc.

x DO NOT operate if any parts are damaged or missing as this may cause failure and/or possible personal injury.

x DO NOT leave the SM1311 operating unattended.

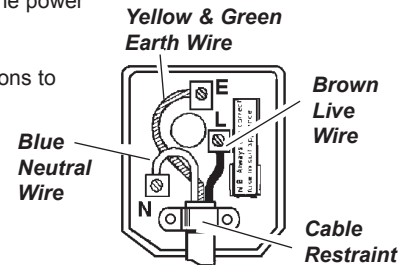
x DO NOT operate the SM1311 when you are tired or under the influence of alcohol, drugs or intoxicating medication.

x DO NOT use without the appropriate guard in place and ensure it is correctly adjusted.

x DO NOT use blades, which are blunt as this increases the danger of kickback.

✓ Any portion of the cutter block not being used for planing shall be guarded.

✓ When planing or thicknessing short workpieces, a push-stick should be used.



FUSE RATING
THIS PRODUCT MUST BE FITTED
WITH A **13 AMP FUSE**

- ✓ Check for alignment of moving parts, binding of moving parts, mounting and any other conditions that may affect its operation.
 - ✓ If a guard or other part is damaged it should be properly repaired or replaced by an authorized service centre unless otherwise indicated in this instruction manual.
 - ✓ **Stay alert** - Watch what you are doing, use common sense and do not operate the tool when you are tired.
 - ✓ When not in use switch off the SM1311 and remove plug from the power supply.
- NOTE!** Max. allowable blade projection over cutterblock 1.0mm/0.004 inch +10%.

2. APPLICATION & SPECIFICATION

Compact and portable power planer/thicknesser with heavy-duty cast base for accurate and smooth operation. Accurate fence tilts between 45° and 90°. Fitted with two blades capable of handling timber up to 200mm wide. Easy conversion from planer to thicknesser. Thicknesser fitted with feed rollers. No-volt release switch prevents uncontrolled re-start after power interruption.

Motor	1250W, 230V 50Hz.
Maximum Thicknessing Capacity	120mm
Maximum Cut (Width x Depth)	200 x 2mm
Thicknesser Feed Rate	7mtr/min
Cutter-head Speed	8000rpm
Fence Angle	45-90°
Working Table Size	737 x 210mm
Weight	29kg

3. ASSEMBLY

3.1 ASSEMBLY

WARNING! DO NOT plug the planer into the mains power supply until completely assembled.

The machine is shipped nearly complete in one carton. Additional parts which need to be fastened to machine should be located and accounted for before assembling. (fig. 1).

- A. Planer and Thicknesser
- B. Angle fence
- C. 4mm Hex wrench
- D. Handle assembly
- E. Hex bolt
- F. 5mm lock washer
- G. 5mm flat washer
- H. Dust chute

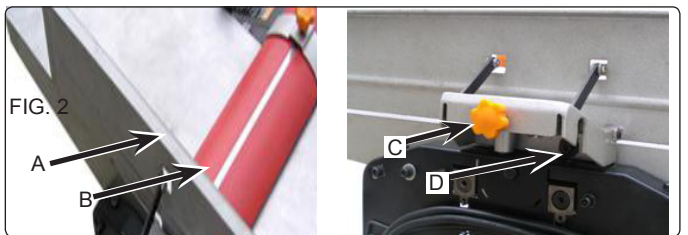
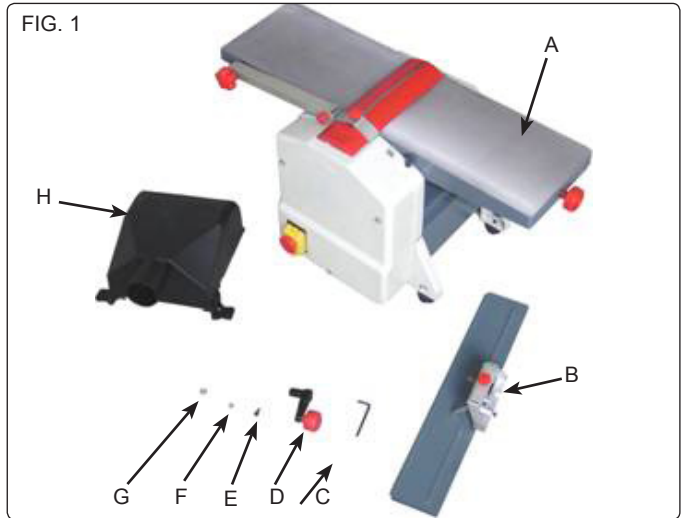
3.2 SETTING ANGLE FENCE (fig. 2)

- 3.2.1 Insert screw into the slot (A), then locate the fence on screw (D). Securely tighten screw (A) first, then screw (D). Angle adjustment is made by loosening knob (C) and tilting fence to the desired angle using scale (B). Re-tighten knob (C) fig. 2.

3.3 SETTING SAFETY GUARD (fig. 3)

- 3.3.1 To adjust the height of the guard, loosen knob A, raise or lower the guard (B), until it is in firm sliding contact with the workpiece. Tighten knob A.
- 3.3.2 After adjusting the guard height it can be adjusted sideways to set the required stock width for jointing. (As in Fig.4)

Note! Make sure that the switch is in off position before adjusting the cutting depth, replacing or adjusting blades. Make sure the blade screws are securely tightened.



4. CHIP EXTRACTION

4.1 PLANING



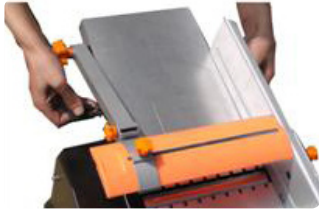
- 4.1.1 Set the thicknessing table to the lowest position.



- 4.1.2 Insert the dust chute underneath the planing work table.



- 4.1.3 Pull the keys on either side of the chute and align the chute with the work table.



4.1.4 Push the chute into position.



4.1.5 The chute should be positioned to allow both the keys to align with the cut-outs on the table



4.1.6 Insert the keys into the cut-outs, locking the chute into place.



4.1.7 Ensure the keys are fully inserted.



4.1.8 Chute fully assembled for planing operations.

Note! The SM1311 is fitted with a safety interlink which prevents the machine from being used without the chip extractor in place and the keys inserted. SM1311 has a reset button in case of motor overload. Should the machine stop due to excessive demands you will need to press the reset button, shown left.

4.2 THICKNESSING



4.2.1 Remove the set bolt on the fence seat.



4.2.2 Loosen the set screw.



4.2.3 Remove fence assembly.



4.2.4 Fasten the set screw.



4.2.5 Slide the guard away from the table.



4.2.6 Set the safety guard at its uppermost position and fasten the set screw.



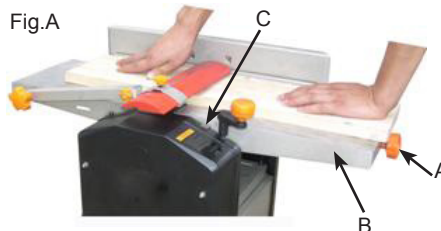
4.2.7 Remove chute from underneath table and place on top over blade



4.2.8 Locate the two keys on the chute and align with the cut-outs on the table and insert the keys.



4.2.9 Check the keys are fully inserted.



Note: Guard must cover blades

5. OPERATING INSTRUCTIONS

WARNING! Ensure you read, understand and apply Section 1 safety instructions before use. We recommend you check the alignment of cutting blades before use. See section 6.3.7.

5.1 PLANING (Fig.A)

5.1.1 The cutting depth is set by handle (A). Use the front table plate (B) in conjunction with the scale (C) for the cutting depth.

A cutting depth of between 0.5 and 1.5 mm (1/64"~1/16") will produce the best results.

WARNING: The part of the blades not used, must to be covered by the blade guard.

Note! Attach a suitable dust extractor to the dust chute. This reduces the amount of airborne dust and health risks associated with inhalation of particles.

5.1.2 Take up a working position so that you are always on one side of the machine away from the area directly in front of or behind cutterhead.

5.1.3 Lift STOP cover and push the start button.

NOTE! The STOP button is also the Emergency Stop button. In case of an emergency hit the STOP button, it will lock into place to prevent the start button being activated again. The stop button will require unclipping in order to gain access to the start button.

5.1.4 Place both hands on the workpiece. Do not hold the workpiece with your fingers anywhere near the blades.

NOTE! Only plane workpieces which rest firmly on the planer and can be safely guided.

5.1.5 Introduce the workpiece from the feed side. Gently guide the workpiece over the blades. Do not force the workpiece but allow the machine to do the work.

WARNING! Ensure you read, understand and apply Section 1 safety instructions before use.

5.2 Thicknessing

5.2.1 Set the desired height by turning the handle (Fig.B) using the graduated scale as a reference.

5.2.2 One complete turn of the handle is equal to 3mm as indicated on the scale next to the feed port.

It is better to use a cutting depth of between 0.5 and 1.5 mm (1/64"~1/16") for best results. Trying to remove excessive amounts on a single pass will result in motor overload and dull the blades.

Note! When thicknessing it is recommended to keep the feed table clean and free of sap. Apply a small amount of penetration spray and wipe over with a cloth.

WARNING! Do not remove chips or dust from the table while the machine is running, always disconnect from the mains supply before attempting any kind of maintenance. Do not attempt to thickness short pieces of wood.



6. MAINTENANCE

WARNING! Prior to doing any maintenance work, always disconnect from the mains. Any protective guards which have been removed must be mounted again after the maintenance work.

6.1 MACHINE CARE

The SM1311 is designed with a low maintenance requirement. The bearings are greased for life.

6.1.1 Grease threaded spindles for the height adjustment of the thicknessing table.

6.1.2 The table surface should always be kept free of resin.

6.1.3 In order to prevent the motor from overheating, regularly check that no dust has accumulated on the ventilation apertures of the motor.

After a prolonged period of operation, users are recommended to have the machine checked by an authorised service agent.

6.2 TOOL CARE

The cutter head, clamping devices, blade supports and blades used on the machine must be kept free from resin build up as a clean tool improves the cutting quality. This can be done by soaking the blade supports and blades for 24 hours in paraffin, white spirit or commercially available resin remover.

6.3 REPLACING BLADES

WARNING! Disconnect from power before servicing!

6.3.1 Unplug the planer from power source.

6.3.2 Loosen and remove four blade lock screws securing blade and blade clamp.

6.3.3 Lift blade and blade clamp from cutterhead.

6.3.4 Clean any sawdust and resin build up from cutterhead and blade clamp.

6.3.5 Place blade clamp against the replacement blade and replace in cutterhead.

6.3.6 Secure blade and blade clamp using four blade lock screws. Do not over-tighten.

NOTE! Check blade height and alignment.

6.3.7 To check blade alignment, set the table to the (0) position. Use a straight edge i.e metal ruler or set square and position it across the two tables. The blade should almost make contact with the ruler, check at either end of the blade and in the middle to ensure the blade is level. Loosen the blade lock screws and adjust height accordingly using the blade adjustment grub screws.

6.3.8 Repeat the procedure to replace the other blade.

6.3.9 Make sure all the blade lock screws are tight.



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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