



INSTRUCTIONS FOR
PLANER/THICKNESSER 200 X 120MM
MODEL NO: **SM1311**

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 ear protection



Wear protective gloves



Wear a mask

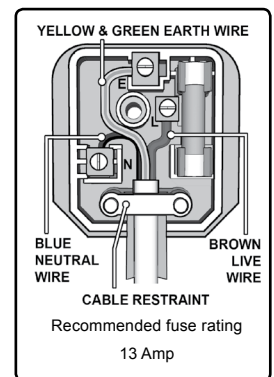


Indoor use only

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 product is 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.
- 1.1.1. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
- 1.1.2. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that they are secure.
- 1.1.3. **Important:** 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.
 - * **DO NOT** use worn or damaged cables, plugs or connectors. Ensure that any faulty item is repaired or is replaced immediately by a qualified electrician.
- 1.1.4. This product is fitted with a BS1363/A 13 Amp 3 pin plug.
If the cable or plug is damaged during use, switch off the electricity supply and remove from use.
Ensure that repairs are carried out by a qualified electrician.
Replace a damaged plug with a BS1363/A 13 Amp 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'.Ensure that the cable outer sheath extends inside the cable restraint and that the restraint is tight.
Sealey recommend that repairs are carried out by a qualified electrician.



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 an approved mask and eye, gloves, ear 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.
- * **DO NOT** start with the workpiece touching the blade.
- * **DO NOT** use the SM1311 for a task it is not designed to perform.
- * **DO NOT** allow untrained persons to operate the SM1311, keep children and unauthorised persons away from the working area.
- * **DO NOT** get the SM1311 wet or use in damp or wet locations or areas where there is condensation.
- * **DO NOT** use SM1311 where there are flammable liquids, solids or gases such as paint solvents, waste wiping or cleaning rags etc.
- * **DO NOT** operate if any parts are damaged or missing as this may cause failure and/or possible personal injury.
- * **DO NOT** leave the SM1311 operating unattended.
- * **DO NOT** operate the SM1311 when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- * **DO NOT** use without the appropriate guard in place and ensure it is correctly adjusted.
- * **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.

- ✓ 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. INTRODUCTION

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. Includes dust extraction port.

3. SPECIFICATION

Model no: SM1311
 Motor power: 1250W - 230V
 Max. cutting width x depth: 200 x 2mm
 Max. thicknesser capacity: 120mm
 Feed rate: 7mtr/min
 Cutter head speed: 8000rpm
 Fence angle: 45°-90°
 Working table size: 737 x 210mm
 Weight: 29kg

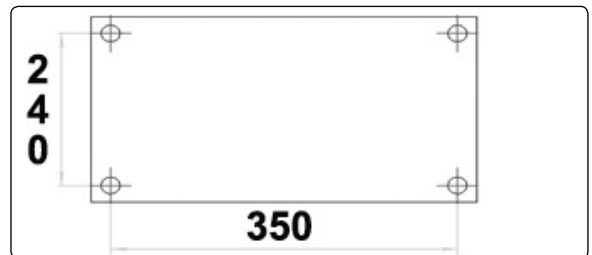
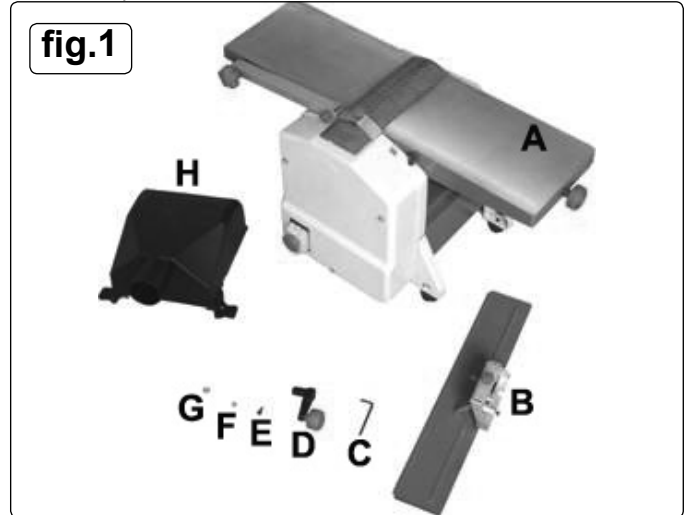
4. CONTENTS

4.1. ASSEMBLY

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

4.1.1. 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



5. INSTALLATION

- 5.1. The planer/thicknesser weighs 29kg. The surface it is installed on must:
- be capable of withstanding its own weight and that of any workpiece.
 - be installed in a place with ample lighting and correct power supply.
 - have enough room to move the workpiece through the entire cut.
 - be enough room that operators or bystanders will **NOT** have to stand in line with the wood while using the tool.
- 5.2. The planer/thicknesser can be installed on a workbench using bolts, lock washers and hex nuts (not supplied).
- 5.3. Ensure the surface is level, does not rock and that the tables are level. Refer to fig.2. for fixing dimensions in millimetres.

6. OPERATIONAL SAFETY

- ✓ Regularly check that blades and lock bars are locked tight in cutterblock.
- ✓ Max. allowable blade projection over cutterblock 1.0mm/0.004 inch +10%.
- ✗ **DO NOT** remove any of the machine's safety guards other than for servicing and repair work. Keep guards operational at all times.
- ✓ Set and secure safety guards in position before operating machine.
- ✓ When operating machine in enclosed spaces connect to a dust collector.
- ✓ Regularly check anti-kickback fingers for proper operation.
- ✓ Always wear eye protection.
- ✓ Rebating, tenoning, moulding and recessing may not be undertaken without the use of special guards.
- ✗ **DO NOT** make jointing or planing cut deeper than 2 mm.

7. OPERATION

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

7.1. **SETTING ANGLE FENCE** Refer to fig.3.

7.1.1. Insert screw into the slot A, then locate the fence on screw D. Securely tighten screw A first, then screw C.

7.1.2. Angle adjustment is made by means of wing screw C in accordance with scale B.

7.1.3. Angle fence (optional accessory) has to be placed into the groove of the right side plate and screwed on to the rear table by means of the socket head screw provided.

7.2. **OVERLOAD PROTECTION**

7.2.1. If the overload protection activates, the motor is overloaded. The cause must be located and the fault eliminated.

7.2.2. The motor will switch off automatically and cannot be switched on again until the motor has cooled down or the power supply restored.

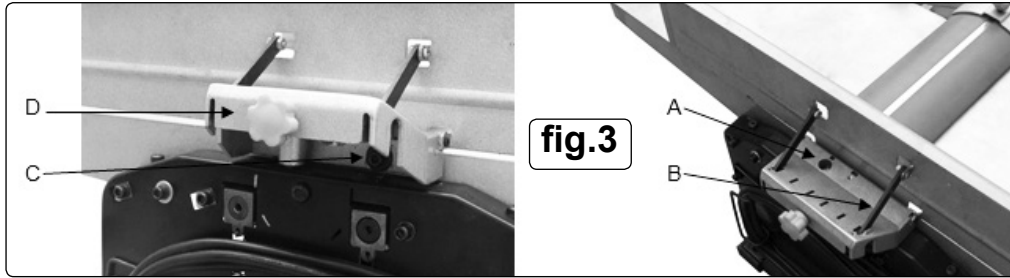


fig.3

7.3. CHIP EXTRACTION

7.3.1. To ensure trouble free operation on enclosed premises, the machine must be connected to an extractor unit at the dust chute.

7.3.2. **Dust chute connection when planing**

☐ **WARNING!** Disconnect power supply and turn planner/thicknesser power switch off.



fig.4.1

Set the thicknessing working table at its lowest position.

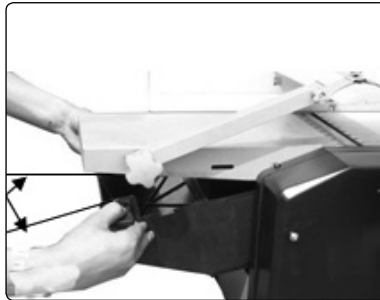


fig.4.2

Insert dust chute under the working table at an angle.

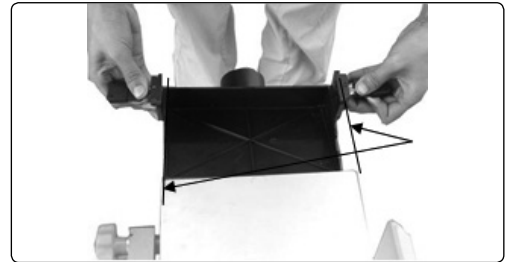


fig.4.3

The edges of the dust chute to be in line with the edges of the working table.



fig.4.4

Pull the keys out from both sides of the dust chute and locate the dust chute with its edges in line with the edges of the working table



fig.4.5

Carefully insert the dust chute.

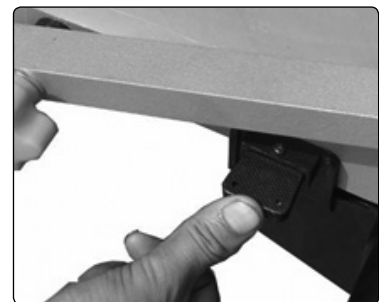


fig.4.6

Position chute so that 2 keys on each side can be aligned with the 2 rectangular holes on the side of the table. Ensure the keys are fully inserted

7.4. DUST CHUTE CONNECTIONWHILST THICKNESSING

☐ **WARNING!** Disconnect power supply and turn planner/thicknesser power switch off.



fig.5.1

Remove the screw on the fence seat.



fig.5.2

Undo this set screw.



fig.5.3

Remove the fence assembly.



fig.5.4

Refit the set screw.



fig.5.5

Move the guard to the other end of the working table.



fig.5.6

Set the safety guard at its top position. Fasten the set screw.

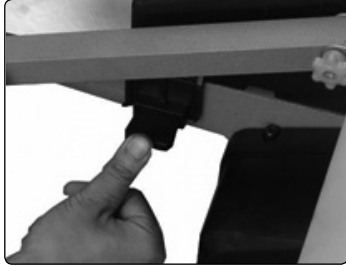


fig.5.7

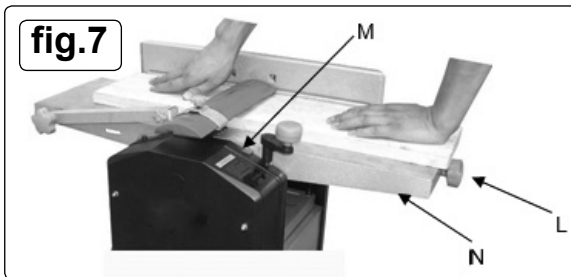


fig.5.8

Locate the 2 keys on the dust chute to align the with the rectangular holes on both sides of the working table and insert the keys.

7.5. SETTING OF GUARD

- 7.5.1. Height adjustment is made with the lever mounted on the left side of the machine. After lifting the lock lever the blade cover can be slide ways to set the required stock width for jointing. Push lock lever down to lock guard extrusion in position fig.7.



7.6. PLANING

- 7.6.1. The cutting depth is set by handle L, at the front table plate N, by means of the scale for cutting depth M. Set cutting depth between 0.5 and 1.5 mm (1/64~1/16 in.). This will produce the best surface.

WARNING: The part of the cutter head not used has to be covered by the knife guard.

- 7.6.2. 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 the cutterhead. Place both hands on the workpiece with the fingers. **DO NOT** hold on to the workpiece edges. Only workpieces that rest firmly on the machine and can be safely guided, should be planed fig.8.

7.7. THICKENING

- 7.7.1. Set the desired height with handle assembly at spindle with reference to scale. 1 turn =3mm

7.7.2. Slide in narrow wood in the middle.

7.7.3. When thickening the table must be lubricated regularly with lubricant.

7.7.4. After having worked for a long period or when planing wet wood it may occur that the workpiece stops while pulling in.

WARNING: Switch off the machine immediately in case of failure.

* **DO NOT** remove chips and splinters from the tables while the machine is running.

- 7.7.5. Short workpieces should not be planed.

7.8. REPLACING BLADES

WARNING! Disconnect from mains power before performing any maintenance.

7.8.1. Unplug from mains and turn On/off switch off.

7.8.2. Block the blade guard from closing down.

7.8.3. Loosen and remove three blade lock screws securing blade and blade clamp.

7.8.4. Lift blade and blade clamp from cutterhead.

7.8.5. Clean any sawdust and resin buildup from cutterhead and blade clamp.

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

7.8.7. Secure blade and blade clamp using three blade lock screws. **DO NOT** over-tighten blade lock screws first.

Note: Check blade height at both ends of the blade.

7.8.8. Tighten blade lock screws.

7.8.9. Recheck blade adjustment and make sure blade is still level with outfeed table.

7.8.10. Repeat the procedure to replace the other blade.

7.8.11. Remove the scrap wood and release blade guard.

7.8.12. Make sure all the blade lock screws are tight and snug.

Note: The blades which used with the tool may be replaced or re-sharpened. Blades should not be more than 3 times by 0.05mm max. each time.

7.8.13. The blades used in this tool can not be used to rebate.



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.



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 is required for any claim.

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