

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'.

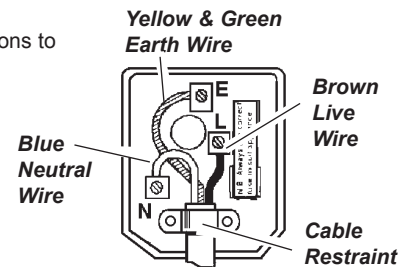
d) After wiring, check that there are no bare wires, that all wires have been correctly connected, that the cable outer insulation extends beyond the cable restraint and that the restraint are tight.

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.



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

1.2 GENERAL SAFETY

- WARNING!** Disconnect the SM1312 from the mains power before changing accessories, servicing or performing any maintenance.
- ✓ Locate the machine in a suitable working area. Use the thicknesser 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 SM1312 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 SM1312.
- ✓ 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 SM1312 for a task it is not designed to perform.
- x DO NOT allow untrained persons to operate the SM1312, keep children and unauthorised persons away from the working area.
- x DO NOT get the SM1312 wet or use in damp or wet locations or areas where there is condensation.
- x DO NOT use SM1312 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 SM1312 operating unattended.

- x DO NOT operate the SM1312 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 thickening 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 SM1312 and remove plug from the power supply.
- NOTE!** Max. allowable blade projection over cutterblock 1.0mm/0.004 inch +10%.

2. APPLICATION & SPECIFICATION

Compact design with folding tables for easy storage and transportation. Fitted with two blades capable of handling timber upto 330mm wide. Four post design for added stability allowing smooth operation of cutter-head. Dust extraction port with collection bag. Large tables fully polished to aid smooth feed of timber. No-volt release switch prevents uncontrolled re-start after power interruption. Suitable for high capacity thickening operations, provides quality surface finish.

Motor	1500W, 230V 50Hz.
Maximum Cut (Width x Depth)	330 x 2mm
Maximum Thickness Capacity	152mm
Thickener Feed Rate	8.8mtr/min
Cutter-head Speed	6500rpm
Working Table Size	330 x 235mm
Weight	36kg
Blades-reversible	x 2

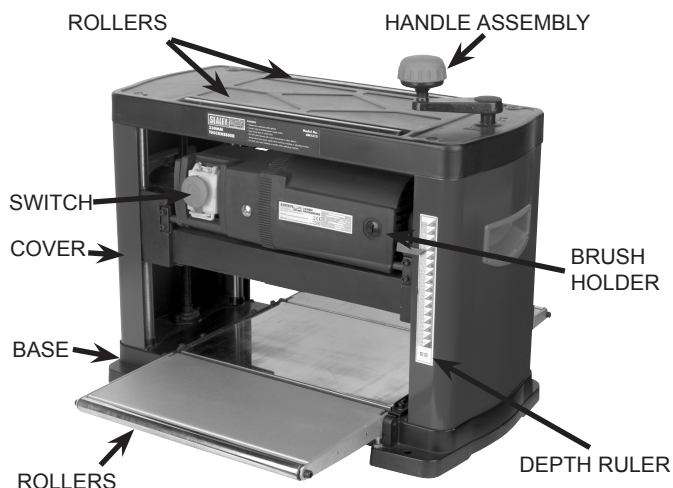


Fig.1

3. ASSEMBLY

3.1 ASSEMBLY

WARNING! DO NOT plug the thicknesser 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. Thicknesser
- B. Handle
- C. 5mm washer
- D. Hex bolt
- E. Hex wrench

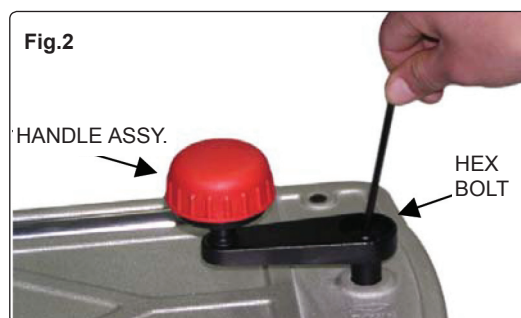
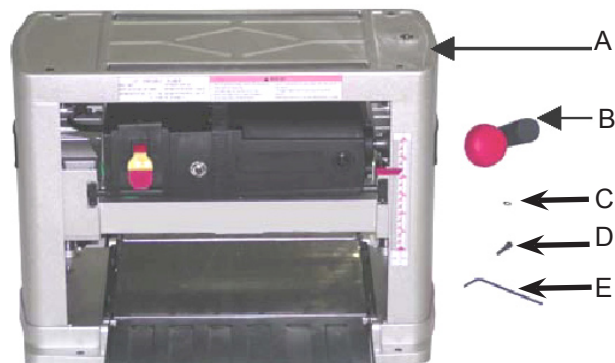
NOTE! Make sure that the switch is in off position before adjusting the cutting depth, replacing or adjusting blades. Make sure the blade screws are securely tightened.

The thicknesser should be bolted to a flat level surface (bolts not supplied).

Ensure that there is enough room to enable workpiece to pass all the way through the thicknesser and that there is enough room to enable the user to walk around the thicknesser and not stand directly in front or behind.

3.2 MOUNTING HANDLE

3.2.1 Press the handle assembly onto the handle shaft of the thicknesser and secure using the washer and bolt. (Fig.2)



4. OPERATING INSTRUCTIONS

- WARNING!** Ensure you read, understand and apply section 1 safety instructions before use.

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.

- 4.1 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 cutter head.
- 4.2 Set the desired height by turning the handle (Fig.2) using the graduated scale on the feed side as a reference. **NOTE!** 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.
- 4.3 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.

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

NOTE! Only thickness workpieces which rest firmly on the thicknesser table and can be safely guided.

- 4.5 Introduce the workpiece from the feed side. Gently guide the workpiece through the thicknesser. Do not force the workpiece but allow the machine to do the work.
- 4.6 Once the wood has been passed through the machine, adjust the thickness of the machine using the handle and pass the wood through again. Repeat this procedure until the desired thickness has been achieved.
- 4.7 When you have finished switch the machine off and disconnect from the power supply.

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.

5. MAINTENANCE

- WARNING!** Prior to doing any maintenance work, always pull out the mains plug. Any protective guards which have been removed must be mounted again after the maintenance work.

5.1 MACHINE CARE

The SM1312 is designed with a low maintenance requirement. The bearings are greased for life.

- 5.1.1 Grease threaded spindles for the height adjustment of the thicknessing table.
- 5.1.2 The table surface should always be kept free of resin.
- 5.1.3 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.
- 5.1.4 To access the **motor apertures and blades** the dust chute must first be removed.
- 5.1.5 Undo the four screws securing the dust chute and withdraw the chute from the machine. (Fig.3)

5.2 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 reversible blades for 24 hours in paraffin, white spirit or commercially available resin remover.

5.3 REPLACING BLADES

- WARNING!** Disconnect from power before servicing!

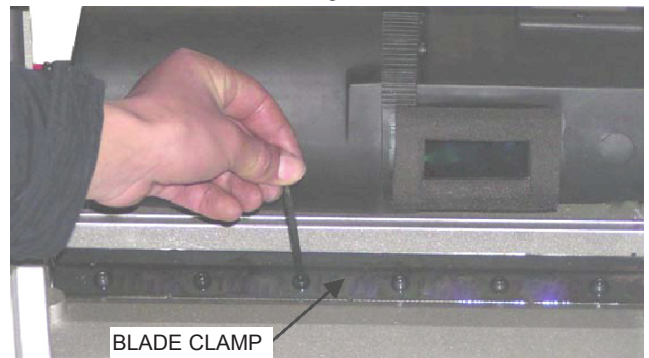
Note! The blades supplied with the SM1312 are reversible, when one side has become blunt they may be turned around to use the fresh cutting edge.

- 5.3.1 Unplug the thicknesser from power source.
- 5.3.2 Loosen and remove six blade lock screws securing blade and blade clamp. (Fig.4)
- 5.3.3 Lift blade and blade clamp from cutterhead. Caution! There is a small spring mounted under the right side of the blade clamp to assist removal of the clamp, ensure you do not lose the spring and that you replace it on re-assembly.
- 5.3.4 Clean any sawdust and resin build up from cutterhead and blade clamp.
- 5.3.5 Place blade clamp against the replacement blade and replace in cutterhead.
- 5.3.6 The cutter block, blade and covers are pegged to ensure the blade is returned to the correct position.
- 5.3.7 Secure blade and blade clamp using six blade lock screws. Do not over-tighten.
- 5.3.8 Repeat the procedure to replace the other blade.
- 5.3.9 Make sure all the blade lock screws are tight.

DUST CHUTE SECURING SCREWS - Fig.3



Fig.4



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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