

SEALEY

POWER BELT SANDER 100 X 1220MM

750W/230V

MODEL NO: **SM100**

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

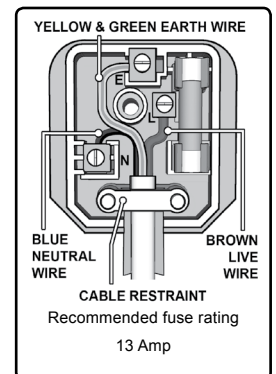


Wear a mask

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.
- 1.1.1. 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.
- 1.1.2. Electrical safety information, it is important that the following information is read and understood.
 - 1.1.2.1. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
 - 1.1.2.2. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that they are secure.
 - 1.1.2.3. **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.
 - 1.1.2.4. This product is fitted with a BS1363/A 13 Amp 3 pin plug.
 - 1.1.2.5. If the cable or plug is damaged during use, switch off the electricity supply and remove from use.
 - 1.1.2.6. Ensure that repairs are carried out by a qualified electrician.
 - 1.1.2.7. 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'.
 - 1.1.2.8. 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.
 - 1.1.2.9. 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**
 - ✓ Disconnect the sander from the mains power before changing accessories, servicing or performing any maintenance.
 - ✓ Maintain sander and belts in good condition. Check moving parts and alignment. If necessary use an authorised service agent.
 - ✓ Replace or repair damaged parts. *Use genuine parts only. Unapproved parts may be dangerous and will invalidate the warranty.*
 - WARNING!** Always work with the sander safety guard in place.
 - ✓ Wear approved safety goggles, ear defenders, appropriate dust mask if sander generates dust and safety gloves.
 - ✓ Remove ill fitting clothing. Remove ties, watches, rings, and other loose jewellery, and contain long hair.
 - ✓ Use sander in a suitable work area, keep area clean, tidy and free from unrelated materials, and ensure adequate lighting.
 - ✓ Maintain correct balance and footing. **DO NOT** over-reach and ensure the floor is not slippery. Wear non-slip shoes.
 - ✓ Check grinding disc to ensure they are not split, cracked or damaged in anyway. See chapter 4. If in doubt to not use the disc.
 - ✓ Grinding discs must be securely attached before use, but not over tightened.
 - ✓ Secure unstable workpiece with a clamp, vice or other adequate holding device, and ensure the sander is gripped with both hands.
 - ✓ Keep non essential persons away from the working area, use screens if necessary.
 - * **DO NOT** operate the sander if any parts are missing or the sander is damaged.
 - * **DO NOT** use the sander for a task it was not designed to perform.
 - * **DO NOT** operate sander where there are flammable liquids or gasses.
 - WARNING! DO NOT** grind any materials containing asbestos.
 - * **DO NOT** get the sander wet or use in damp or wet locations.
 - * **DO NOT** switch the sander on whilst the belt is in contact with the workpiece.
 - * **DO NOT** touch the workpiece immediately after grinding as it will be very hot.
 - * **DO NOT** hold unsecured work in your hand, and **DO NOT** touch the sanding belt whilst operating, or whilst plugged into the mains power.



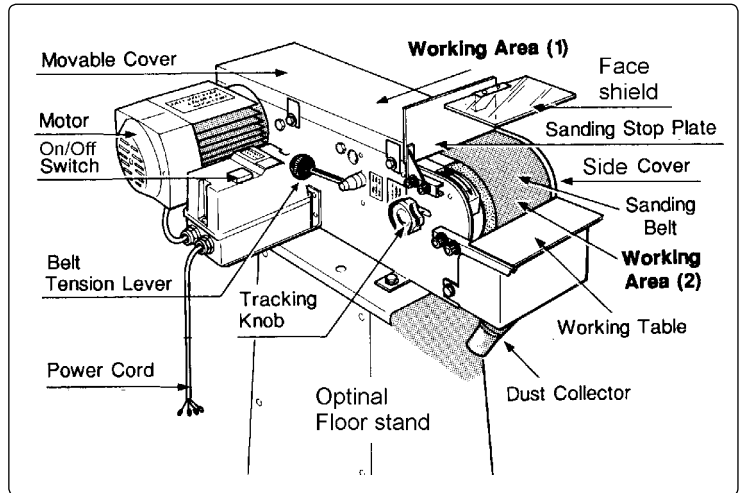
- ✗ **DO NOT** leave the sander running unattended.
- ✗ **DO NOT** operate the sander when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✓ When not in use switch sander off, remove plug from power supply and store in safe, dry, childproof area.

2. INTRODUCTION

Heavy cast base with adjustable sanding table. Fitted with magnetic no-volt release switch to prevent accidental starting after belt jam. Quiet and powerful 750W/230V motor. Suitable for metal and fabrication workshops. Floor stand available as an optional extra, model no. SM100/ST.

3. SPECIFICATION

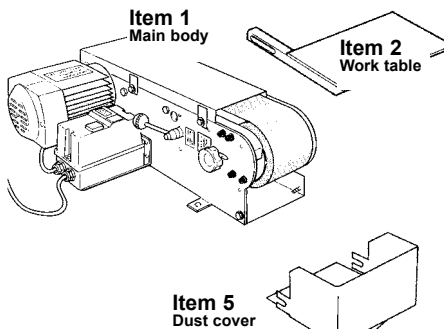
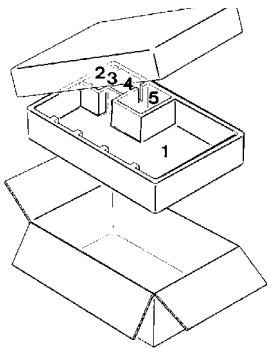
Model no	SM100
Power	750W - 230V
Belt speed	19mtr/sec
Flat grinding surface	320 x 105mm
Weight	28kg
Dimensions (W x D x H)	650 x 380 x 260mm
Sanding belt	100 x 1220mm
80 grit belt	SM100/B080G
100 grit belt	SM100/B100G
Optional stand	SM100/ST
Height with stans	1070mm
Cabinet stand size (W x D x H)	380 x 395 x 810mm



4. CONTENTS

- 4.1. Unpack carton as illustrated below and identify each part according to item description. Should there be any damaged or missing parts contact your supplier immediately.

Carton with item identification



Item 3 Face Shield

No	Description	Qty
1	Face shield	1
2	Support plate	1
3	Hex bolt 1/4" x 1/2"L	1
4	Washer M6 x18x2	1
5	Spring washer 1/4"	1
6	Wing Nut 1/4"	1
7	Screw 3/16 x 7/16"L	2
8	Washer 3/16"x12x0.8	2
9	Hex nut 3/16"	2

Item 4 Sanding stop plate & tools

No	Description	Qty
1	Sanding stop plate	1
2	6mm Hex wrench	1
3	12mm open spanner	1
4	Socket wrench	1

5. ASSEMBLY

- ☐ **WARNING!** Ensure sander has not been connected to mains power supply. Refer to diagrams to assist assembly.

5.1. TENSION AND SANDING STOP PLATE

- 5.1.1. The belt tension has been pre-set by the manufacturer. For shipping purposes the manufacturer has slackened the tension by turning the tension lever to the "Loosen" position. To re-tension the belt push the lever down toward the "tighten" position (fig 1). Install the sanding stop plate and ensure that it does not touch the sanding belt see fig 1 & 1a.

5.2. WORKING TABLE

- 5.2.1. Locate working table in correct position (fig 2) Ensure the distance between the working table and the sanding belt is at 3mm (fig 2a).

5.3. DUST COLLECTOR

- 5.3.1. Fit the dust collector unit with washer and bolt on each side (fig 3).

5.4. SAFETY FACE SHIELD

- 5.4.1. Install the face shield and make adjustments to gain the maximum protection (fig 4 & 5).

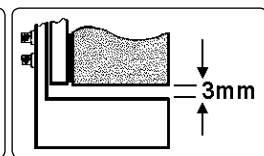
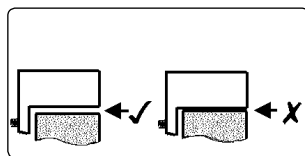
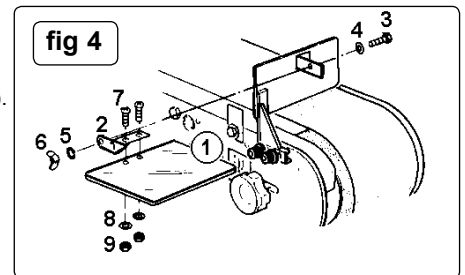
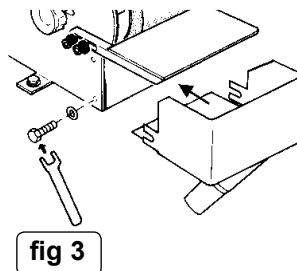
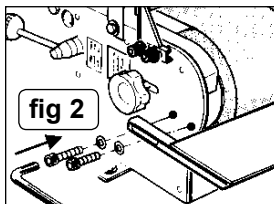
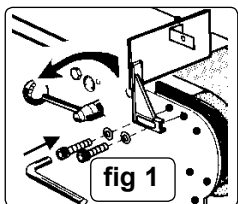


fig 1a

fig 2a

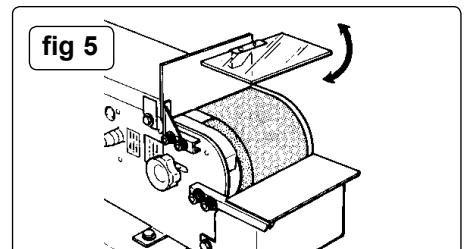


fig 5

6. SANDING BELT ADJUSTMENT

6.1. TRACKING ADJUSTMENT

- ❑ **WARNING!** Ensure mains power lead is unplugged from the mains supply.
- 6.1.1. Connect the other end of the mains power lead to the sanding machine (fig 6)
- 6.1.2. Identify the tracking knob (fig 7) each turn of the knob will only render a slight adjustment to the belt tracking.
- 6.1.3. Rotate the tracking knob clockwise to move the belt to the left and anti-clockwise to move belt to the right.
- 6.1.4. Rotate the belt by hand whilst turning the tracking knob to effect movement.
- 6.1.5. To ensure the belt is aligned, connect the machine to the mains power supply, turn the machine "On", and then "Off", whilst adjusting the tracking knob to effect further fine adjustments.

Note: "I" = On. "0" = Off.

6.2. BELT TENSION

- ❑ **WARNING!** Ensure the sander is switch off and unplugged from the mains power supply.
 - 6.2.1. The belt tension has been pre-set by the manufacturer but will require adjustment after a period of use or when a new belt is fitted.
 - 6.2.2. Locate cover plate to the right of the tension lever. Loosen screw and open the cover plate (fig 8).
 - 6.2.3. Turn the tension lever to "Loosen".
 - 6.2.4. Loosen locking nut (fig 9).
 - 6.2.5. To decrease tension turn adjusting rod upward (fig 10).
 - 6.2.6. To increase the tension turn the adjusting rod downward.
- Note:** One 360° turn on the adjusting rod will move the belt roller in or out by approximately 2.5mm. We recommend small adjustments are made by turning the adjusting rod only to the degree that access will allow the spanner to move and then test the belt tension before making further adjustments.
- 6.2.7. When complete tighten the locking nut, close and lock the cover plate in place. Turn the belt tension lever back to the "Tighten" position, and re-check that the belt tracking is correct.

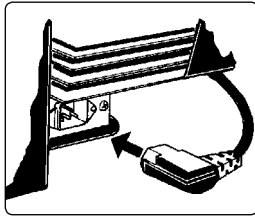


fig 6

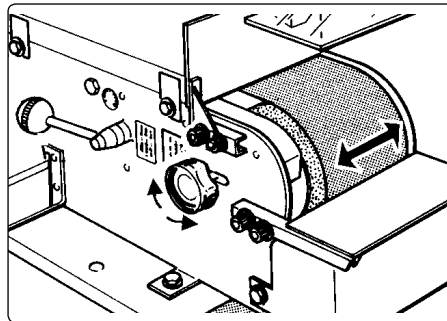


fig 7

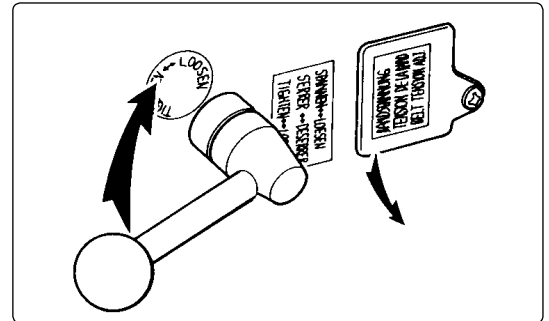


fig 8

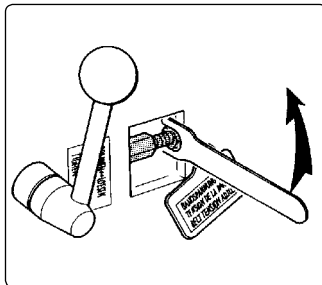


fig 9

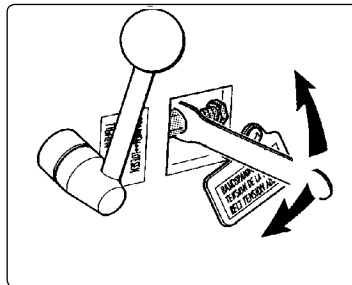


fig 10

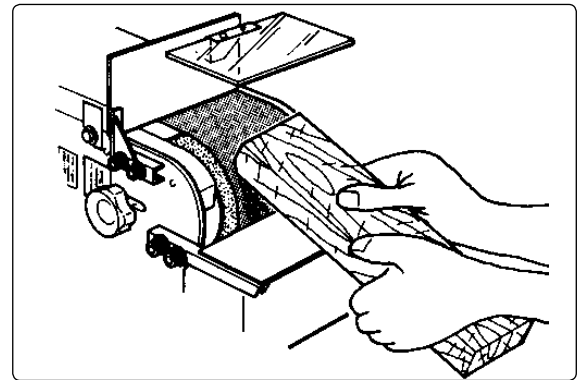


fig 11

7. OPERATION

- 7.1. Ensure you have read and understood chapter 1 Safety Instructions.
- 7.2. Double check that the gap between the worktable and the belt is set at no more than 3mm.
- 7.3. Always start the belt first and bring your workpiece to the moving belt.
 - ✗ **DO NOT** start the belt whilst the workpiece is resting against the abrasive surface.
- 7.4. Check that there are no foreign bodies in the workpiece which could damage the sanding belt or cause a hazard. i.e. nails, screws etc.
- 7.5. We recommend you practice with off-cuts of wood to familiarise yourself with the machine's capabilities.
 - ❑ **WARNING! DO NOT** allow your fingers to touch the surface of the moving belt.
- 7.6. **ROLLER SANDING**
- 7.7. To sand work piece on the roller end of machine, position face guard for maximum protection and hold the workpiece firmly by hand whilst using the working table for support (fig 11).
- 7.8. **SURFACE SANDING**
- For sanding a large flat workpiece, remove the belt cover. Hold workpiece on the flat surface of the abrasive belt to complete task (fig12). Use the stop plate to rest work against.

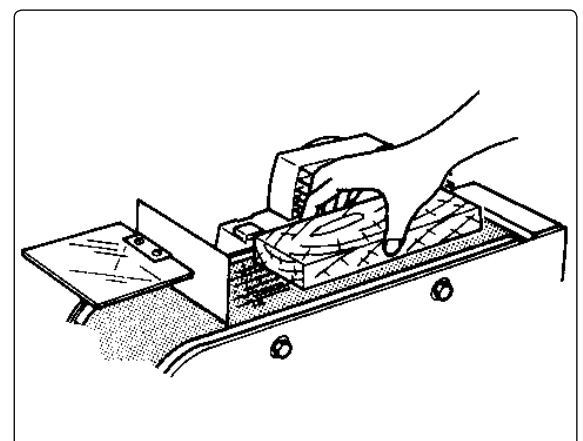


fig 12

7.9. DUST COLLECTOR

7.9.1. The SM100 is equipped with a dust collector provided with a 35mm Ø outlet for connection to your own dust extraction system (fig 13).

- ❑ **WARNING!** Dust produced by this operation may be hazardous in which case use a dust mask.

8. MAINTENANCE

- ❑ **WARNING!** Ensure the sander is switched off and unplugged from the mains power supply.

8.1. OVERLOAD SWITCH

8.1.1. Should the sander motor be overloaded an overload switch will activate cutting the power to the machine. If this happens allow the motor to cool. The overload switch is located on the main contactor underneath the switch cover.

8.2. BELT REPLACEMENT

8.2.1. Turn the belt tension lever to "Loosen".

8.2.2. Remove the two screws in (fig 14), open the belt cover and remove the used belt.

8.2.3. Place the new belt over the end rollers (fig 15).

8.2.4. Re set the belt tension lever by turning it to the "tighten" position.

8.2.5. Rotate the belt by hand whilst checking and adjusting the tracking.

8.2.6. Check and adjust the belt tension accordingly.

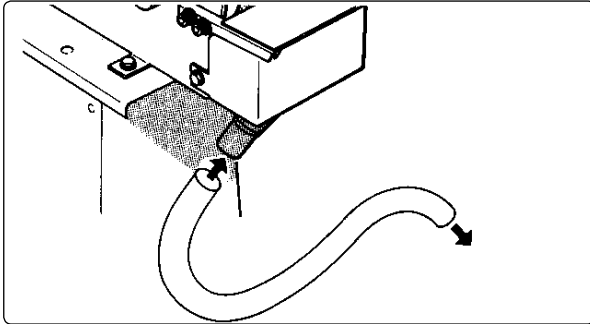


fig 13

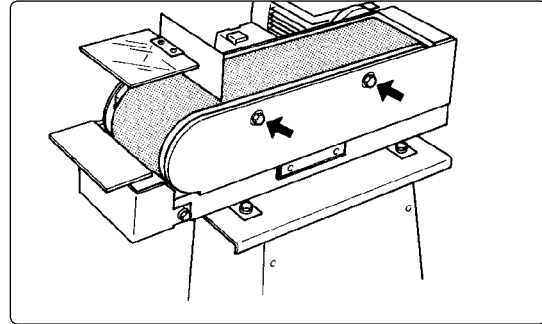


fig 14

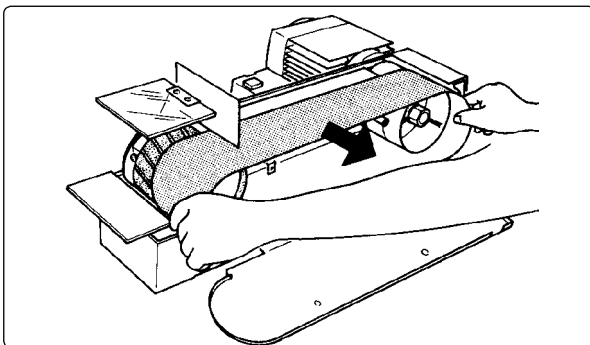


fig 15



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.



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.

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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