

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 ear protection



Wear a mask



Indoor use only



Wear protective gloves



Wear protective clothing



Wear safety footwear

## 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.
  - Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
- × **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.
- ✓ 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.**
- ✓ Sealey recommend that an RCD (Residual Current Device) is used with all electrical products.  
**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.
- × **DO NOT** pull or carry the appliance by the power cable.
- × **DO NOT** pull the plug from the socket by the cable.

### 1.2. GENERAL SAFETY

- WARNING!** When using electric tools basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury including the following. Read all these instructions before attempting to operate this product and save these instructions.
- × **DO NOT** use saw bands which are damaged or deformed.
- ✓ Replace the table insert when worn.
- WARNING! DO NOT** operate the tool when the guard protecting the saw band is open.
- WARNING! DO NOT** clean the saw band whilst it is in motion.
- ✓ Connect the band saw to a dust collecting device (not supplied) when sawing wood.
- ✓ Select the saw band and the speed depending on the material to be cut.

### 1.3. SAFE OPERATION

- ✓ Keep work area clear: Cluttered areas and benches invite injuries.
- ✓ Consider your work area environment.
- × **DO NOT** expose tools to rain. **DO NOT** use tools in damp or wet locations.
- ✓ Keep work area well lit.
- × **DO NOT** use tools in the presence of flammable liquids or gases.
- ✓ Guard against electric shock: Avoid body contact with earthed or grounded surfaces.
- ✓ Keep other persons away: **DO NOT** let persons, especially children, not involved in the work touch the tool or the extension cord and keep them away from the work area.
- ✓ Store idle tools: When not in use, tools should be stored in a dry locked-up place, out of reach of children.
- × **DO NOT** force the tool, it will do the job better and safer at the rate for which it was intended.
- ✓ Use the right tool: **DO NOT** force small tools to do the job of a heavy duty tool.
- × **DO NOT** use tools for purposes not intended.
- ✓ Dress properly: **DO NOT** wear loose clothing or jewellery, they can be caught in moving parts.
- ✓ Non-skid footwear is recommended when working outdoors.
- ✓ Wear protective hair covering to contain long hair.
- ✓ Use protective equipment: Use safety glasses. Use face or dust mask if working operations create dust. Connect dust extraction equipment: If the tool is provided for the connection of dust extraction and collecting equipment, ensure these are connected and properly used.
- × **DO NOT** abuse the cord: Never yank the cord to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.
- ✓ Secure work: Where possible use clamps or a vice to hold the work. It is safer than using your hand.
- × **DO NOT** overreach: Keep proper footing and balance at all times.
- ✓ Maintain tools with care: Keep cutting tools sharp and clean for better and safer performance.
- ✓ Follow instruction for lubricating and changing accessories.
- ✓ Inspect tool cords periodically and if damaged have them repaired by an authorized service facility.
- WARNING! DO NOT** use guards for handling or transportation.
- ✓ Use a push stick when straight cutting small work pieces using the fence.
- ✓ Use a suitable holding device when cutting round or irregular shaped timber to prevent twisting of the work piece.

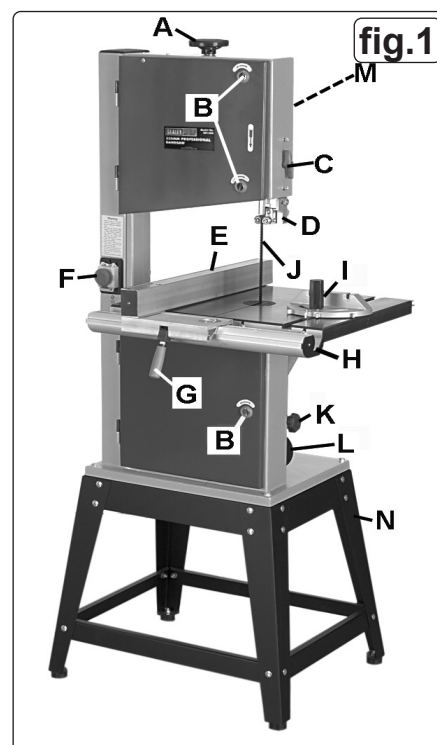
- ✓ Use a workpiece support when sawing material beyond the saw table.
- ✓ Place the fence on the lower side of the table when bevel-cutting with the table inclined.
- 1.4. **MAINTENANCE AND SERVICING**
- ❑ **WARNING!** Remove the plug before carrying out any adjustment, servicing or maintenance facility.
- ✓ Inspect extension cords periodically and replace if damaged.
- ✓ Keep handles dry, clean and free from oil and grease.
- ✓ Disconnect tools from the power supply: When not in use, before servicing and when changing accessories such as blades, bits and cutters.
- ✓ Remove adjusting keys and wrenches: Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.
- ✓ Avoid unintentional starting: Ensure switch is in "off" position when plugging in.
- ✓ Stay alert: Watch what you are doing, use common sense and do not operate the tool when you are tired.
- ✓ Check damaged parts: Before further use of tool, it should be carefully checked to determine that it will operate properly and perform its intended function.
- ✓ Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation.
- ✓ A guard or other part that is damaged should be properly repaired or replaced by an authorized service centre unless otherwise indicated in this instruction manual.
- ✓ Have defective switches replaced by an authorized service centre. **DO NOT** use the tool if the switch does not turn it on and off.
- ❑ **WARNING!** The use of any accessory or attachment other than one recommended in this instruction manual may present a risk of personal injury.
- ✓ Have your tool repaired by a qualified person: This electric tool complies with the relevant safety rules. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.
- 1.5. **NOISE AND VIBRATION**
- ✓ The vibration total value of this product is less than 2.5m/s<sup>2</sup>.
- ✓ The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another.
- ✓ The declared vibration total value may also be used in a preliminary assessment of exposure.
- ❑ **WARNING!** The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used.
- ❑ **WARNING!** Identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use.

## 2. INTRODUCTION

Steel chassis with locking blade wheel covers. Smooth operation by bearing-mounted blade wheels and belt drive induction motors. Micro switches prevent operation when either blade wheel cover is open. No-volt release switches prevent uncontrolled blade restart after power interruption. Suitable for cutting wood and plastics. Fitted with tilting tables for cutting compound mitres. Model No's SM1305 and SM1306 are supplied with metal stands. Fully adjustable blade tracking and tensioning for precise cutting action. Supplied with quick adjusting rip fence, mitre gauge, dust extraction port, blade wheel brushes and push sticks.

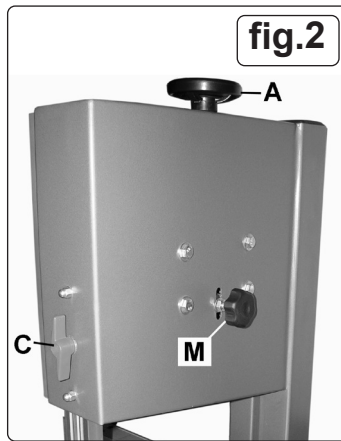
## 3. SPECIFICATION

MODEL NO:	SM1305	SM1306
Power cable length	1.5m	1.5m
Sound Power / Pressure	91dB / 79dB	91dB / 79dB
Blade Length:	2240mm	2400mm
Cutting Speed:	360, 660m/min	540, 660m/min
Dust Extraction Diameter:	Ø100mm	Ø100mm
Fuse rating	13A	13A
Maximum Cutting Height:	165mm	165mm
Motor Power:	550W	750W
Supply:	230V	230V
Table Size:	500 x 400mm	500 x 400mm
Table Tilt:	0-45°	0-45°
Throat Depth:	305mm	335mm
Weight	82.73kg	93.35kg



## MAIN FEATURES

- A - Blade tension adjustment knob
- B - Blade cover lock
- C - Blade guard height locking knob
- D - Blade guard
- E - Fence
- F - No Volt On/Off switch
- G - Fence lock handle
- H - Table side guide
- I - Mitre guide
- J - Blade
- K - Drive belt tensioner knob
- L - Extraction outlet
- M - Tracking adjustment knob
- N - Stand



## 4. ASSEMBLY

- 4.1. Unpack the product and check contents for damage. Should there be any damaged or missing parts contact your supplier immediately.  
4.2. Assistance and/or lifting equipment will be required to manoeuvre and position these very heavy units.

### 4.3. STAND ASSEMBLY

Assemble stand as shown in fig.1.N. Ensure all fittings are tight.

### 4.4. SAW ASSEMBLY

- 4.5. To install the table, place table and support onto the sliding base support, sliding saw blade through the slot in table, and also ensuring bolt (Parts List part number 126) is in place and aligns with hole in base support.

- 4.6. Secure by threading adjustment knob onto bolt and tightening.

- 4.7. Fit the bolt into the blade slot of table. Attach the table side guide to the table with four bolts and washers.

- 4.7.1. Fit the fence, first align bearing at the far end with one of the table slots, then lower onto table side guide. Push down handle (fig.1.G) to lock when fence is in required position.

- 4.7.2. Position table at right angles to the blade. Using a set square against the blade check for accuracy. If any adjustment is needed, loosen nuts and bolts holding the sliding base support and make any necessary fine adjustments. Tighten all nuts and bolts.

**IMPORTANT!** Attach the saw to the stand using appropriate bolts, nuts and washers, or alternatively to a firm, stable work surface capable of supporting the saw and any workpiece.

- 4.7.3. **DO NOT** attempt to use the saw as a free-standing unit as it may topple over during use and cause damage and/or personal injury.

- 4.7.4. Connect extraction port (Ø100mm) to dust extractor system when sawing wood.

## 5. ADJUSTMENTS

- ❑ **WARNING! Ensure that the bandsaw is disconnected from the power supply before attempting any adjustments.**

- ❑ **WARNING!: Wear gloves when handling the saw blade and rough material.**

### 5.1. CHANGING THE BLADE

- 5.1.1. Turn the blade cover locks (fig.1.B) anticlockwise to open the upper and lower covers.

- 5.1.2. Turn blade tension adjustment knob anticlockwise (fig.1.A) to slacken the blade.

- 5.1.3. Remove the table side guide and the securing bolt from the table blade slot.

- 5.1.4. Carefully remove the blade.

- 5.1.5. Install the new blade. Be sure the teeth are pointing downwards and outwards. Refit securing bolt and table side guide.

- 5.1.6. Adjust new blade to the correct tension (see 5.2.) and check, and adjust if necessary, tracking (see 5.3.) and blade guide adjustment (see 5.5.).

- 5.1.7. Close both blade covers and lock with blade cover locks.

### 5.2. ADJUSTING BLADE TENSION

- 5.2.1. Open the blade covers and check to ensure that the blade is centred on both wheel rims (if not, see section 3).

- 5.2.2. Turn the blade tension knob (fig.1.A) to adjust the blade tension - clockwise to tighten, anticlockwise to slacken. Correct tension is reached when the blade gives slightly to firm finger pressure at mid-span. **DO NOT** over-tighten.

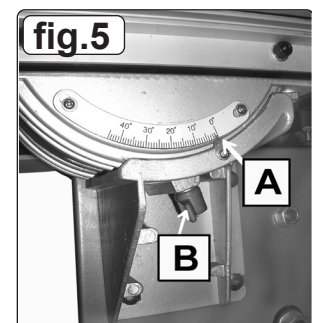
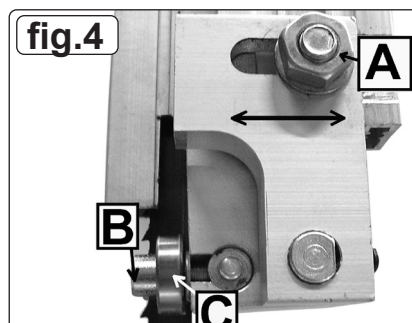
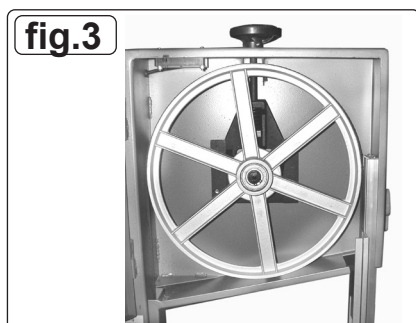
- 5.2.3. Close both blade covers and lock with blade cover locks.

### 5.3. ADJUSTING BLADE TRACKING

- 5.3.1. Open blade covers and carefully rotate the upper blade wheel (fig.3) clockwise by hand, to determine whether blade is tracking correctly - blade should be on the centre of each wheel rim.

- 5.3.2. If adjustment is needed, turn the tracking knob (fig.2.M) whilst continuing to turn the upper blade wheel. Note the effect on the tracking and continue to turn tracking knob until tracking is correct.

- 5.3.3. Close both blade covers and lock with blade cover locks.



#### 5.4. UPPER BLADE GUIDE POSITION

5.4.1. The upper blade guide should always be adjusted to about 3mm above the workpiece. To adjust, loosen the locking knob (fig.1.C) and lower the assembly to the required position. Tighten locking knob.

#### 5.5. UPPER BLADE GUIDE BEARING ADJUSTMENT

5.5.1. The upper blade guide support bearing prevents the saw blade from being pushed too far back when cutting. It should be adjusted to 0.75mm behind the blade. Loosen nut (fig.5.A) and by sliding the bearing holder left or right, position the bearing correctly and then tighten the nut to secure. Re-check for correct positioning.

5.5.2. The upper blade guide side bearings prevent the saw blade from being pushed sideways when cutting. Adjust the bearings (fig.5.C) so that each is just clear of the blade. Loosen the socket head screw (fig.5.B) and slide the bearings to position them correctly. Tighten socket head screw to secure. Re-check for correct positioning.

#### 5.6. LOWER BLADE GUIDE BEARING ADJUSTMENT

5.6.1. The three lower guide bearings should be adjusted using the same procedure as for the upper guide bearings above. They are positioned within the lower blade cover.

5.6.2. All three bearings are held in place by socket head screws. Position each bearing correctly and re-check for correct positioning after tightening the socket head screws..

- NOTES:**
- a) Always check and adjust both upper and lower guides at the same time.
  - b) Carry out these checks/adjustments every time the blade is changed.
  - c) The blade will be damaged if the teeth contact the guides/guide bearings.

#### 5.7. DRIVE BELT TENSION

5.7.1. Open lower blade cover and check belt tension. Belt should have approx. 5mm mid-span deflection under finger pressure.

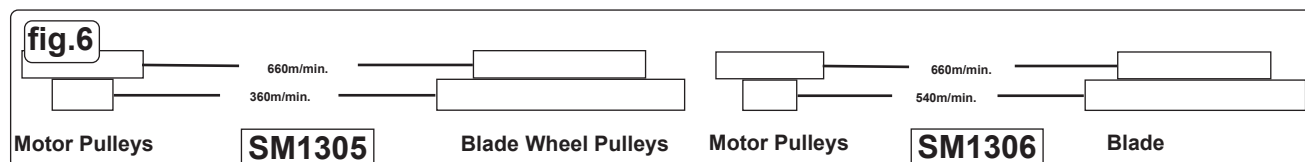
5.7.2. To adjust belt tension turn drive belt tensioner knob (fig.1.K) until correct tension is achieved. Close and lock cover.

#### 5.8. BLADE SPEED

5.8.1. Open lower blade cover and remove all belt tension by turning belt tensioner knob anticlockwise (fig.1.K).

5.8.2. Move belt to the required pair of pulleys (see fig.6. for required blade speeds).

5.8.3. Tension belt correctly by turning drive belt tensioner knob (fig.1.K) and close and lock cover.



#### 5.9. MITRE GAUGE

5.9.1. The mitre gauge (fig.1.I), which can be located in either of the two table slots, is adjustable through 45° in either direction. Loosen the central locking knob, adjust and then tighten locking knob.

#### 5.10. TABLE ANGLE

5.10.1. Loosen the knob (fig.5.A) and adjust table to required angle using the scale (fig.5.B) as a guide. Tighten knob when in required position.

#### 5.11. FENCE

5.11.1. The fence (fig.1.E) is mounted on the table side guide (fig.1.H).

5.11.2. To reposition or remove the fence, push up locking handle (fig.1.G). To refit the fence, first align bearing at it's far end with one of the table slots, then lower onto table side guide. Push down handle (fig.1.G) to lock when fence is in required position.

## 6. OPERATION

**WARNING! DO NOT** operate the tool when the guard protecting the saw blade is open.

**DO NOT** use saw blades which are damaged or deformed.

6.1. To switch saw on, lift the No Volt switch cover and press the on switch. Switch cover should be lowered over on/off switch. Simply hit the No Volt switch to turn saw off. If saw does not switch on, ensure both blade cover doors are shut and secured.

6.2. Adjust blade guide to just above the workpiece (3mm). Standing in front of the unit use both hands to feed workpiece to the blade. Use a steady even pressure sufficient to keep blade cutting but no more. If needed, stop the saw and wait for blade to stop before backing blade out of a cut. Where possible, use clamps or a vice to securely hold the workpiece. **DO NOT** over-reach.

#### 6.3. RIP SAWING

6.3.1. Cutting wood with the grain. For best results use rip fence on left side of saw to guide workpiece. The table side guide scale shows the distance between the blade and the right hand edge of the workpiece.

#### 6.4. CROSS CUTTING

6.4.1. To cut wood at right angles to the grain. This type of cut can be made freehand but using the mitre guide ensures accurate results. The guide can also be adjusted up to a 45° angle to produce mitre cuts or compound cuts with the table tilted. Ensure the work is held firmly against the table and against the face of the mitre guide.

**WARNING!** Keep your fingers away from the blade, use an offcut piece of wood to push the last piece of work through.

#### 6.5. FREEHAND

6.5.1. When freehand cutting, always feed the work slowly to follow your saw line. Ensure you do not drag the work off-line forcing the blade sideways or twisting it. It may be helpful to make an initial rough cut about 5mm away from the line. For difficult curves which may be too tight for the blade, make relief cuts on the face of the curve so that the waste wood will fall away as the final radius is cut.

#### 6.6. BLADE AND BLADE SPEED SELECTION

6.6.1. The hardness of the workpiece determines the blade speed required. Soft materials - high speed, hard materials - low speed.

6.6.2. There should be at least three saw teeth in contact with the workpiece at any one time during cutting. Therefore the thinner the workpiece the higher the blade tpi required.

#### 6.7. BEVEL CUTTING

6.7.1. When bevel cutting with the table tilted always have the workpiece guide (fence or mitre) on the lower part of the table.

#### 6.8. WORKPIECE STABILITY

6.8.1. Any workpiece which does not have a flat surface which will ensure stability on the saw table must be held in a suitable device which will prevent rotation.

## 7. MAINTENANCE

- ❑ **WARNING! ENSURE THE MACHINE IS DISCONNECTED FROM THE MAINS POWER SUPPLY BEFORE CARRYING OUT ANY MAINTENANCE.**
- ❑ **WARNING!: DO NOT** clean the saw band whilst it is in motion.
- 7.1. CHANGING BELTS**
  - 7.1.1. Eventually the rubber belts on the bandsaw wheels will wear due to the constant contact with the blade teeth.
  - 7.1.2. Remove blade (see 5.1), lift the edge of the belt (item 19) with a small screwdriver and the belt can be worked off the wheel easily.
  - 7.1.3. It is recommended that both belts be changed at the same time.
- 7.2. BLADES**
  - 7.2.1. If blades break, check for correct tension after fitting new blade. Also avoid over working blade by keeping to a constant feed rate and avoiding any side pressure on the blade.
- 7.3. BLADE GUIDES**
  - 7.3.1. Blade guides should be inspected regularly for wear or chipping. When replacing guides, replace all guides at the same time, both upper and lower.
- 7.4. TABLE INSERT**
  - 7.4.1. The insert should be inspected regularly and replaced if wear or damage is found.
- 7.5. BEARINGS**
  - 7.5.1. All bearings used in the construction of the bandsaw and motor are sealed and lubricated for life.
- 7.6. CLEANING**
  - 7.6.1. Remove dust and chips from the inside of the bandsaw frequently. Open the wheel covers and use a brush or vacuum cleaner. At the end of every work session, clean sawdust away from the motor vents.

**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. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on [technical@sealey.co.uk](mailto:technical@sealey.co.uk) or 01284 757505. **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.



### 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.



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