

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 OR PERSONAL INJURY, AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- 3 Familiarise yourself with the mitre saw's application and limitations, as well as the specific potential hazards peculiar to the use of the saw.
- 3 Keep the saw assembly and blade in good order and condition. DO NOT use the mitre saw if damaged. Contact your local Sealey dealer.
- 3 Always use genuine Sealey saw blades. Contact your dealer for information.
- 3 Keep children and other persons away from the working area.
- 3 Keep good footing and balance, roll up sleeves, remove ties and loose jewellery, and wear protective gloves when bevel cutting.
- 7 DO NOT use saw for any purpose other than for which it is designed. DO NOT remove saw for other use, always use with pivot and base.
- 7 DO NOT hold the workpiece by hand. Use vice clamp provided to secure the workpiece.
- 7 DO NOT place hands, arms or body in path of saw blade, (blade is very sharp).
- p **WARNING! DO NOT cut, grind, saw, sand any materials containing asbestos.**

2. SPECIFICATIONS

Length of blade.....	600mm (23-5/8")
Height of blade.....	45mm (1-3/4")
Length of table.....	400mm (15-3/4")
Width of table.....	80mm (3-5/32")
Max. cutting height.....	160mm (6-3/8")
Max. mitre/bevel cutting width at 45°.....	95mm (3-3/4")
Max. mitre/bevel cutting width at 90°.....	175mm (6-7/8")
Max. compound cutting width at 45°x45°.....	95mm (3-3/4")

3. CONTENT & ASSEMBLY

Unpack the product and check contents against fig. 1. Should there be any damaged or missing parts contact your supplier immediately.

3.1 BASE ASSEMBLY

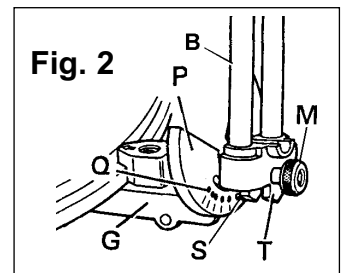
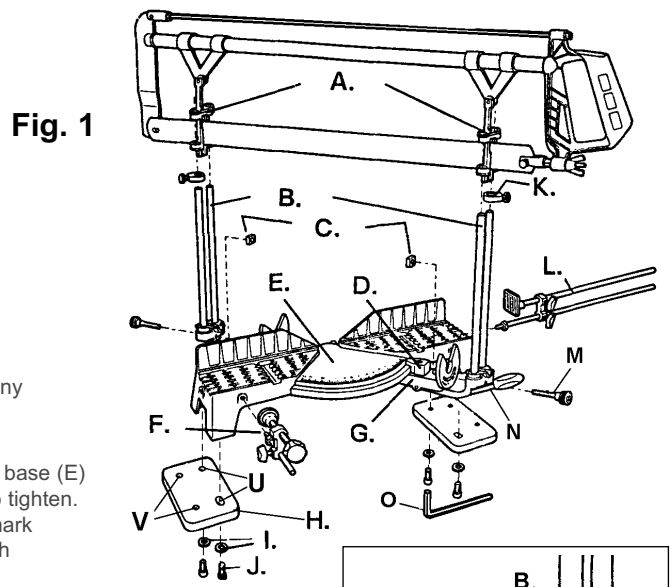
Align the holes U (fig.1) in the plastic feet (H) with the holes in the base (E) and secure with bolts (J) and washers (I) using the hex. key (O) to tighten. To mount the saw on a workbench use holes V as a template to mark location, drill mounting holes in bench and secure the saw feet with appropriate bolts and washers (not provided).

3.2 SAW GUIDE ASSEMBLY

The base of each guide rod assembly (fig.2.B) has a small boss (S). These locate in the angle holes in the end plates (P) of the angle pivot arm. Position guide rod assembly onto end plate with rods vertical (boss in 90° hole) and clamp with knurled screw (M) and square nut (fig.1.C). Repeat for the second guide rod assembly.

3.3 SAW ASSEMBLY

Remove plastic transport protection caps from the top of the guide rods and discard. Assemble cutting depth adjusters (fig.1.K & fig.3) to guide rods ensuring that front and rear adjusters are on opposite sides of the saw gap. Place the saw guides (fig.1.A) onto the guide rods, with the saw handle to the front, and push the saw down until the guides contact the cutting depth adjusters. You may select the required cutting height by moving the adjusters (K) on front and rear rods and re-tightening accordingly.



4. OPERATING INSTRUCTIONS

4.1 USING THE VICE CLAMP

According to the angle being cut, the vice clamp (fig.1.F) may be fitted to either side of the saw by screwing the clamp into the appropriate hole in the base. Ensure lock nut is tightened. Always clamp the workpiece firmly.

4.2 USING THE LENGTH STOP

The length stop (fig.1.L) may be fitted to either side of the saw by screwing into the base hole according to the feeding direction. Ensure lock nut is tightened. The stop can be used to cut several workpieces to the same length.

4.3 USING THE DEPTH STOPS

To adjust the cutting depth loosen the front and rear depth stops (fig.1.K. & fig.3), slide the stops to the desired height and re-tighten. **NOTE:** Maximum cutting height is 160mm (6-3/8").

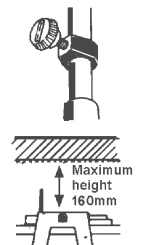
4.4 SAW BLADES

This mitre saw is supplied complete with a 14 teeth per inch blade for general purpose wood cutting. There are two other blade types available separately (not included) which you can interchange.

Application

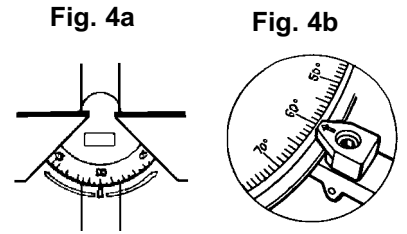
- 14 teeth per inch.....For general purpose wood cutting, the blade fitted as standard.
- 18 teeth per inch.....For fine cutting wood. Also for plastic and aluminium.
- 24 teeth per inch.....For fine cutting brass, aluminium and other nonferrous metals.

Fig. 3

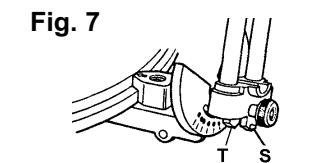
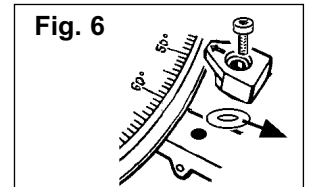
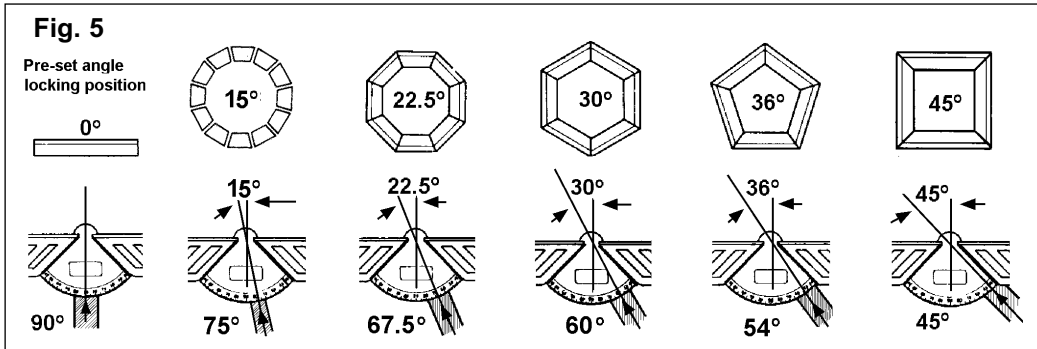


4.5. MITRE CUTS USING PRE-SET ANGLES

The horizontal angle pivot arm (fig.1.G) may be locked in a number of common horizontal angle settings of: 15°, 22.5°, 30°, 36°, 45°, 90°. To set saw to a required common angle lift locking lever (N) to release locking pin (which slots into holes on the underside of base). Rotate arm (G) from the 90° angle (fig.4a) until the pointer (fig.4b) corresponds with the required angle setting. Release the locking lever to enable the locking pin to slot into the common angle slot on the underside of the base. There are 5 different locking points either side of the 90° locked position. Refer to fig.5 which illustrates angle setting and approximate saw locking positions.



NOTE: The base angle scale is given in degrees from the back wall of the saw base. The angle positions are pre-set at 90° less the amount required. Example: Required angle is: 22.5° will be set 90° less 22.5° = pre-set locking position of 67.5°. The pre-set pin location for a 30° angle will therefore read as 60° on the base scale, (the 0° and 45° are set at the 90° & 45° indicators). See fig.5.



4.6. CUTTING MITRE ANGLES WHICH ARE NOT PRE-SET

To set the saw for mitre angles other than those pre-set on the base, remove hex. screw from the angle pointer (fig.6) and remove the washer from underneath the pointer. Replace the pointer but do not tighten the screw. Set angle required and then tighten pointer screw to clamp pivot arm. Keep the washer safely for future use.

4.7. BEVEL CUTS USING PRE-SET ANGLES

Pre-set bevel angles of 22.5°, 30°, 36° and 45° are provided either side of 90°. To change the vertical angle, raise and remove the saw from the guide rods, slacken the front guide rod assembly screw (fig.2.M) sufficiently to disengage the boss from the pivot arm end plate 90° hole and rotate the guide rod assembly left or right to the required bevel angle. Locate the boss in the appropriate hole in the plate and retighten the screw. Repeat for the rear guide rod assembly and replace the saw.

NOTE: As for mitre cuts (para 4.5.) if required angle is 22.5° setting is 90° - 22.5° = 67.5°.

4.8. CUTTING BEVEL ANGLES WHICH ARE NOT PRE-SET

To set the guide rods for bevel angles other than those pre-set proceed as above but **remove** the guide rod assembly screws and turn the assemblies so that the bosses (fig.7.S) face away from the end plates. Refit the screws and set the guide rod angle using the pointers (T) against the angle scales.

4.9. COMPOUND ANGLE CUTS

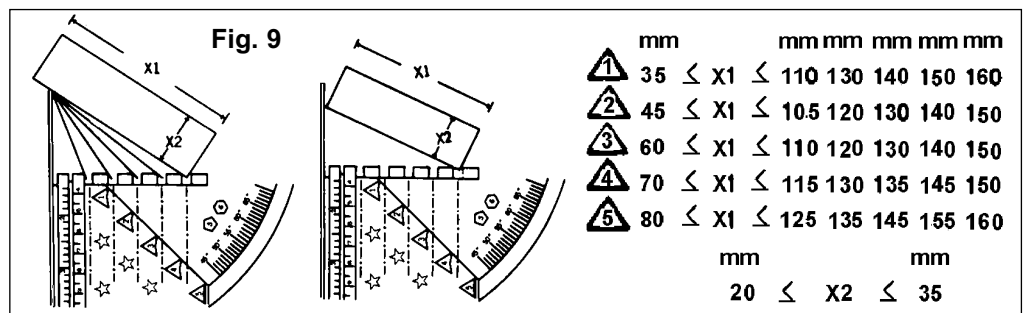
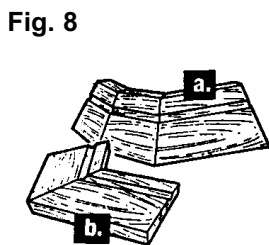
Any type of framework with slanted sides (fig.8) requires a combination of mitre setting and workpiece tilt. First check that the saw guide rods are vertical and then set the required mitre angle as in paras.4.5/6. Five workpiece angles are provided by utilising the locating 'stars' on the base plate as shown in fig. 9. Maximum and minimum workpiece dimensions are also shown for each position. The steeper the angle of the workpiece the steeper the resulting compound mitre. Fig.8a shows the joint from a steeply angled workpiece and fig.8b the joint from a lower angled workpiece.

4.10. HOW TO MAKE THE CUT TRUE

To get the best from this precision mitre saw ensure that:

- 4.10.1. The saw blade is tensioned sufficiently to avoid 'whip' which will cause the blade to deviate from a true cut.
- 4.10.2. The blade is 'in line' and central to the frame.
- 4.10.3. The workpiece is square and true.
- 4.10.4. The correct type of blade for the job is used.
- 4.10.5. Blade tension is always released after use.

WARNING! Before making a cut ensure you have read and understood the safety instructions in chapter 1. When you have finished, clean the saw and store it in a safe, dry, childproof area.



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 product. **WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim. **INFORMATION:** Call us for a copy of our latest catalogue on 01284 757525 and leave your full name and address including your postcode.