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MITRE SAW STAND (005-0001)

Original Instructions



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ENGLISH
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**This manual is originally written in UK English.*

IMPORTANT

Please read these operating and safety instructions carefully and completely. For your own safety, if you are uncertain about any aspect of using this equipment please access the relevant Technical Helpline, the number of which can be found on the Evolution Power Tools website. We operate several Helplines throughout our worldwide organization, but Technical help is also available from your supplier.

WEB

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Congratulations on your purchase of an Evolution Power Tools Machine. Please complete your product registration 'online' as explained in the A4 online guarantee registration leaflet included with this machine. You can also scan the QR code found on the A4 leaflet with a Smart Phone. This will enable you to validate your machine's guarantee period via Evolutions website by entering your details and thus ensure prompt service if ever needed. We sincerely thank you for selecting a product from Evolution Power Tools.

EVOLUTION LIMITED GUARANTEE

Evolution Power Tools reserves the right to make improvements and modifications to the product design without prior notice. Please refer to the guarantee registration leaflet and/or the packaging for details of the terms and conditions of the guarantee.

Evolution Power Tools will, within the guarantee period, and from the original date of purchase, repair or replace any goods found to be defective in materials or workmanship. This guarantee is void if the tool being returned has been used beyond the recommendations in the Instruction Manual or if the machine has been damaged by accident, neglect, or improper service.

This guarantee does not apply to machines and / or components which have been altered, changed, or modified in any way, or subjected to use beyond recommended capacities and specifications. Electrical components are subject to respective manufacturers' warranties. All goods returned defective shall be returned prepaid freight to Evolution Power Tools. Evolution Power Tools reserves the right to optionally repair or replace it with the same or equivalent item.

There is no warranty – written or verbal – for consumable accessories such as (following list not exhaustive) blades, cutters, drills, chisels or paddles etc. In no event shall Evolution Power Tools be liable for loss or damage resulting directly or indirectly from the use of our merchandise or from any other cause. Evolution Power Tools is not liable for any costs incurred on such goods or consequential damages. No officer, employee or agent of Evolution Power Tools is authorized to make oral representations of fitness or to waive any of the foregoing terms of sale and none shall be binding on Evolution Power Tools.

Questions relating to this limited guarantee should be directed to the company's head office, or call the appropriate Helpline number.

GENERAL SAFETY INSTRUCTIONS

Read these instructions before using this mitre saw stand. Do not modify or use this stand for any purpose other than that for which it was designed.

- **Keep work area clear of obstructions and well ventilated.** Clutter makes accidents more likely.
- **Consider the work area environment.** Do not use power tools in damp or wet conditions. Keep the work area well lit. Do not use power tools in the presence of flammable liquids or gases.
- **Keep children and bystanders away.** Visitors are a distraction and are difficult to protect and are unlikely to have any knowledge of safety procedures.
- **Store idle equipment.** Preferably in a locked dry cupboard.
- **Safety Glasses.** Approved safety glasses should be worn by the operator and any assistants when using a mitre saw.
- **Stay alert.** A moments inattention when operating power tools may result in serious personal injury. Do not use if tired or under the influence of drugs, alcohol or medication.
- **Do not overreach.** Keep proper footing and balance at all times.

STAND SPECIFIC SAFETY INSTRUCTIONS

- For maximum stability use the mitre stand only on a flat, level surface.
- Be careful when raising or lowering the stand to prevent trapped fingers or hands.
- Ensure that the snap buttons on each leg are in the locked position. This will ensure that the stand remains rigid during cutting operations.
- Do not step or climb on the stand.
- Before operation ensure that the mitre saw is securely fastened to the stand to prevent unwanted movement of the saw.
- Ensure that the material supports are locked in place before use.
- Do not overload the side extension arms.
- Do not use if the stand becomes damaged in any way.

The main frame can support 225 kg (500lb) total weight (saw + material). Do not exceed this weight for any reason.

STAND FEATURES

- Lightweight tubular frame with ø45mm tubular legs and crossbars.
- Extension rails adjustable to give roller support centres from 860mm (min) to 1620mm (max).
- Mounts most mitre saws.
- Height to saw mounting base 750mm
- Height adjustable work support extensions, support work pieces on 230mm long rollers which are equipped with repeat cutting stops.

PARTS SUPPLIED



PARTS LIST

Description	Quantity
(A) - Saw Mounting Brackets	2
(B) - Extensions Arms	2
(C) - Work Supports	2
(D) - Work Support Brackets	2
(E) - Extension Arm Guides	2
(F) - Long Locking Screws	2
(G) - Short Locking Screws	4

ASSORTED FIXINGS SUPPLIED

Description	Quantity
M6 Coach Bolts (Long)	4
M6 Coach Bolts (Short)	4
M6 Wing Nuts	4
M6 Plain Nuts	4
M6 Spring Washers	4
M6 Plain Washers (small)	4
M6 Plain Washers (large)	4
Countersunk Head Screws	4



Fig. 1

DEPLOYING THE LEGS PRIOR TO ASSEMBLY

Note: It is much easier to set up or knock down the stand without a saw being attached.

- Push the locking/unlocking button (**Fig. 1**) and deploy all 4 legs, ensuring they are locked in their service position.

ASSEMBLY INSTRUCTIONS (Including the fitting of Optional Extension Rails)

Note: To aid assembly some of the components may have colour coded stickers applied at strategic positions. Follow these colours to ensure that the coded parts fit in the appropriate position.

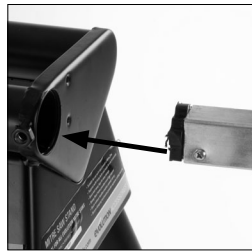


Fig. 2

- Insert each extension arm (**B**) into the mainframe crossbars. (**Fig. 2**)
- Slide the extension arm guides (**E**) into position. (**Fig. 3**)

Note: The extension arm guides will only fit to the main frame one way round.



Fig. 3

- Attach the guides to the main frame using the countersunk head screws provided. (**Fig. 4**)
- Screw the long locking screws (**F**) into the guides. (**Fig. 5**)
- Slide the work support brackets (**D**) onto the extension arms and lock in place with a short locking screw (**G**). (**Fig. 6**)
- Insert the work support roller (**C**) into the bracket and lock in place using a short locking screw. (**G**) (**Fig. 7**)

- For Normal Cutting Operations:
 - The top of the roller(s) should be level with the surface of the Mitre Saws rotary table.
 - The extension arm(s) should be positioned to give maximum support to the workpiece.



Fig. 4

- For Repetitive Cutting Operations:
 - The 'stop face' (**Fig. 7a**) can be positioned at the required distance from the saw blade.
 - The required work support should be adjusted so that the 'stop shelf' (**Fig. 7b**) is level with the Mitre Saws rotary table and facing towards the saw.
 - Adjust the relevant extension arm until the 'stop face' is at the required distance.

CHECKING and ADJUSTING THE SAW MOUNTING BRACKET CLAMPING PRESSURE

The pressure exerted by the clamping mechanism within a saw mounting bracket can be adjusted. The clamping pressure of each bracket should be checked before it is attached to a mitre saw.

When fitted across the mitre saw stands two main crossbars, and with the locking handle in the down (locked) position, a bracket should be firm and exhibit no signs movement. Excessive force to deploy the locking lever to the down position should be avoided. Gently pressing the lever downwards with the palm of a hand should be all the force needed to operate the locking lever.

To adjust the clamping pressure:

- Turn the clamp upside down to reveal the mechanism.
- Loosen the locking nut. (**Fig. 8**)
- Turn the adjustment screw (**Fig. 9**) clockwise to increase the clamping pressure. Turn the screw counter-clockwise to decrease the clamping pressure.
- Tighten the locknut when adjustment is successfully completed.



Fig. 5



Fig. 6

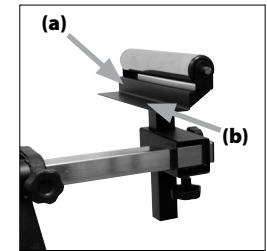


Fig. 7

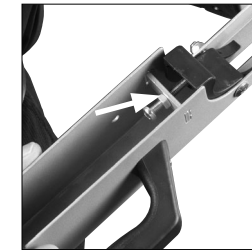


Fig. 8



Fig. 9



Fig. 10

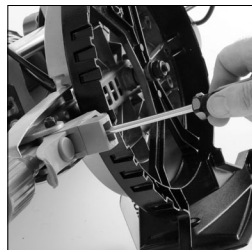


Fig. 11

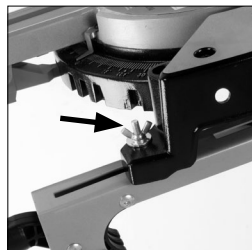


Fig. 12



Fig. 13

MOUNTING EVOLUTION MITRE SAW TO THE MITRE STAND

Note: The Evolution Mitre Saw Stand is suitable for most Evolution Mitre Saws.

- Remove and safely store the four (4) plastic feet from underneath the base of the mitre saw. **(Fig. 10)**
- Remove and safely store the stability block from underneath the positive stop locking lever. **(Fig. 11)**
- Attach the machine to the saw mounting brackets **(A)** using suitable bolts, washers and locknuts etc. The locking handles must be positioned to the front of the mitre saw. **(Fig. 12)**
- Ensure that the fixings used do not protrude so far through the base of the machine that they interfere with any other parts of the Mitre Saw. Only tighten 'finger tight' at this stage.
- Hook the front of the brackets over the front of the mitre saw stands main frame tubular crossbar. **(Fig. 13)**
- Push the back of the brackets down to engage them onto the mitre saw stands crossbars. **(Fig. 14)**
- Lock the brackets into place by gently depressing the locking levers. **(Fig. 15)**
- If necessary re-position the mitre saw on the brackets so that the machines fence aligns as near centrally with the rear tubular crossbar of the mitre stand as possible. This will ensure the greatest stability of the machine and mitre saw stand during cutting operations.
- When the mitre saw is correctly positioned on the stand, securely tighten the four (4) mounting bolts.

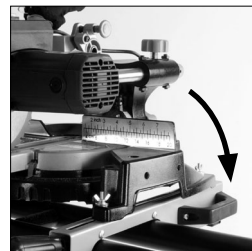


Fig. 14



Fig. 15

MOUNTING UNUSUAL or UNCOMMON MITRE SAWS

If your mitre saw is 'uncommon' or 'unusual' an adaptor plate may be necessary.

The adaptor plate can be bolted to the two (2) saw mounting brackets, and when attached to the stand should provide a suitable mounting platform for most mitre saws.

The mitre saw can then be screwed or bolted to the adaptor plate. We recommend at least 25 mm thick plywood or a piece of 32mm or 40mm kitchen worktop for this adaptor plate.

Consult the manufacturer of the saw for any special adjustments, other requirements or fixings etc needed to permanently mount your saw to a worktop.

- A square or rectangular piece of plywood, or worktop should be sourced which will fit the 'footprint' and mounting hole configuration of your saw.
- The adaptor plate should be drilled and bolted to the saw mounting brackets using appropriate bolts, or fixings etc.
- The adaptor plate can then be attached to the mitre saw stand and the mitre saw positioned upon the adaptor plate.
- For stability during use, care should be taken to ensure that the mitre saw is positioned on the adaptor plate so that most of the bulk and weight of the saw is centrally located over the two (2) mitre saw stand crossbars.
- Use suitable fixings to attach the mitre saw to the adaptor plate.
- Check the stability of the machine and installation over the full range of operating conditions.

Note: Usually the machines fence should align as closely as possible with the centre-line of the mitre saw stand rear crossbar.

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