EVOLUTION®

www.evolutionpowertools.com

FURY5

Original Instructions

Written in UK English V1 Date Published: 18 / 09 / 2013

EN

DE

FR

JP

NL

TR


eVOLUTION®

ENGLISH

Original Instructions

TABLE OF CONTENTS

(1.2) THIS INSTRUCTION MANUAL WAS ORIGINALLY WRITTEN IN ENGLISH

(1.3) 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
www.evolutionpowertools.com/register

(1.4) 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 Evolution's 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.

(1.5) 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.

SPECIFICATIONS

CUTTING CAPACITY	METRIC	IMPERIAL
Maximum depth of cut at 90^0	73mm	2-7/8"
Maximum depth of cut at 45^0	54mm	2-1/8"
Mild Steel Plate – Optimal Cutting Thickness	3mm	1/8"
Mild Steel Box Section – Opt. Wall Thickness	3mm	1/8"

MACHINE	METRIC	IMPERIAL
Motor (UK) 230v ~ 50/60Hz	1500W (S6 40%)	7A
Table Dimensions	625 x 812mm	24-5/8 x 32"
Riving Knife Thickness	1.8mm	1/8"
Speed No Load	$2500min^{-1}$	2500rpm
Weight	28kg	62lbs

BLADE	METRIC	IMPERIAL
Diameter	255mm	10"
Bore	25.4mm	1"
Number of Teeth	24	24
Kerf	2mm	1/8"
Max Speed	$2750min^{-1}$	2750rpm

NOISE & VIBRATION DATA	
Sound Pressure L_pA (Under Load)	93dB(A) K=3dB(A)
Sound Power Level L^WA	104.3dB(A) K=3dB(A)
Vibration Level (Under Load)	1.39 m/s^2 K = 1.5 m/s^2

(1.6) Note: The vibration measurement was made under standard conditions in accordance with: BS EN 61029-1:2009.

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.

(1.7) VIBRATION

WARNING: When using this machine the operator can be exposed to high levels of vibration transmitted to the hand and arm.

It is possible that the operator could develop "Vibration white finger disease" (Raynaud syndrome). This condition can reduce the sensitivity of the hand to temperature as well as producing general numbness.

Prolonged or regular users of this machine should monitor the condition of their hands and fingers closely. If any of the symptoms become evident, seek immediate medical advice.

- The measurement and assessment of human exposure to hand-transmitted vibration in the workplace is given in: BS EN ISO 5349-1:2001 and BS EN ISO 5349-2:2002.
- Many factors can influence the actual vibration level during operation e.g. the work surfaces condition and orientation and the type and condition of the machine being used. Before each use, such factors should be assessed, and where possible appropriate working practices adopted. Managing these factors can help reduce the effects of vibration:

Handling

- Handle the machine with care, allowing the machine to do the work.
- Avoid using excessive physical effort on any of the machines controls.
- Consider your security and stability, and the orientation of the machine during use.

Work Surface

- Consider the work surface material; its condition, density, strength, rigidity and orientation.

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.

The need to identify safety measures and to protect the operator are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle, such as the times the tool is switched off, when it is running idle, in addition to trigger time).

(1.8) LABELS & SYMBOLS

WARNING: Do not operate this machine if warning and/or instruction labels are missing or damaged. Contact Evolution Power Tools for replacement labels.

Note: All or some of the following symbols may appear in the manual or on the product.

(1.9)

Symbol	Description
V	Volts
A	Amperes
Hz	Hertz
Min^{-1}	Speed
~	Alternating Current
n_O	No Load Speed
	Wear Safety Goggles
	Wear Ear Protection
	Wear Dust Protection
	Read Instructions
CE	CE certification
	Waste electrical and electronic equipment
	Warning

(1.10) INTENDED USE OF THIS POWER TOOL

WARNING: This product is a Table Saw and has been designed to be used with special Evolution blades. Only use accessories designed for use in this machine and/or those recommended specifically by Evolution Power Tools Ltd.

When fitted with an appropriate blade this machine can be used to cut:

Mild Steel
Aluminium
Wood

(1.11) PROHIBITED USE OF THIS POWER TOOL

WARNING: This product is a Table Saw and must only be used as such. It must not be modified in any way, or used to power any other equipment or drive any other accessories other than those mentioned in this Instruction Manual.

(1.13) WARNING: This machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the safe use of the machine by a person responsible for their safety and who is competent in its safe use.

Children should be supervised to ensure that they do not have access to, and are not allowed to play with, this machine.

(1.14) ELECTRICAL SAFETY
This machine is fitted with the correct moulded plug and mains lead for the designated market. If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturers or its service agent.

(1.15) OUTDOOR USE

WARNING: For your protection if this tool is to be used outdoors it should not be exposed to rain, or used in damp locations. Do not place the tool on damp surfaces. Use a clean, dry workbench if available. For added protection use a residual current device (R.C.D.) that will interrupt the supply if the leakage current to earth exceeds 30mA for 30ms. Always check the operation of the residual current device (R.C.D.) before using the machine.

If an extension cable is required it must be a suitable type for use outdoors and so labelled. The manufacturers instructions should be followed when using an extension cable.

(2.1) POWER TOOL GENERAL SAFETY INSTRUCTIONS
(These General Power Tool Safety Instructions are as specified in BS EN 60745-1:2009 & EN 61029-1:2009).

WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/ or serious injury.

Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

(2.2) 1) General Power Tool Safety Warnings [Work area safety]

a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.
b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gasses or dust. Power tools create sparks which may ignite the dust or fumes.
c) Keep children and bystanders away while operating power tool. Distractions can cause you to lose control.

(2.3) 2) General Power Tool Safety Warnings [Electrical Safety]

a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce the risk of electric shock.
b) Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

(2.4) 3) General Power Tool Safety Warnings [Personal Safety].

a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
b) Use personal protective equipment. Always wear eye protection. Protective equipment such as dust masks, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising the power tools that have the switch on invites accidents.
d) Remove any adjusting key or wrench before turning the power tool on. A wrench or key left attached to a rotating part of a power tool may result in personal injury.
e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
g) If devices are provided for the connection of dust extraction and collection facilities, ensure that these are connected and properly used. Use of dust collection can reduce dust-related hazards.

(2.5) 4) General Power Tool Safety Warnings [Power tool use and care].

a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at a rate for which it was designed.
b) Do not use the power tool if the switch does not turn it on or off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
c) Disconnect the power tool from the power source and/or battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventative safety measures reduce the risk of starting the power tool accidentally.
d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these Instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of moving parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
g) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

(2.6) 5) General Power Tool Safety Warnings [Service]

a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

(2.7) HEALTH ADVICE

WARNING: When using this machine, dust particles may be produced. In some instances, depending on the materials you are working with, this dust can be particularly harmful. If you suspect that paint on the surface of material you wish to cut contains lead, seek professional advice. Lead based paints should only be removed by a professional and you should not attempt to remove it yourself.

Once the dust has been deposited on surfaces, hand to mouth contact can result in the ingestion of lead. Exposure to even low levels of lead can cause irreversible brain and nervous system damage. The young and unborn children are particularly vulnerable. You are advised to consider the risks associated with the materials you are working with and to reduce the risk of exposure.

As some materials can produce dust that may be hazardous to your health, we recommend the use of an approved face mask with replaceable filters when using this machine.

You should always:

- Work in a well-ventilated area.
- Work with approved safety equipment, such as dust masks that are specially designed to filter microscopic particles.

(2.8) WARNING: the operation of any power tool can result in foreign objects being thrown towards your eyes, which could result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shield or a full face shield where necessary.

ADDITIONAL SPECIFIC SAFETY RULES FOR TABLE SAWS

a) Do not use saw blades which are damaged or deformed.
b) Replace the table insert/access plate if worn.
c) Use only blades as recommended in this manual, which conform to EN 847-1. When changing the saw blade beware that the width of the groove cut of the saw blades shall not be less than and the thickness of the body of the saw blade shall not be more than the thickness of the riving knife.
d) Take care that the selection of the saw blade is suitable for the material to be cut.
e) Wear suitable personal protective equipment when necessary.

This could include:

- Hearing protection to reduce the risk of induced hearing loss.
- Respiratory protection to reduce the risk of inhalation of harmful dust.
- Wear gloves when handling saw blades and rough material. Saw blades shall be carried in a holder whenever practicable.

f) Never perform any operation freehand. This means using only your hands to support or guide the workpiece. Always use either the fence or mitre gauge to position and guide the work.

WARNING: Freehand cutting is a major cause of accidents.
g) Never attempt to free a stalled blade without first turning the saw off. Turn the power off immediately to prevent damage to the motor.
h) Provide adequate support for long or wide workpieces.
i) Avoid awkward operations and hand positions where a slip could cause your hand to move into the blade.

WARNING: Before using your table saw it is important that you read and understand these safety rules. Failure to follow these rules could result in serious injury to the operator or damage to the table saw.

a) Always use the blade guard. The blade guard must always be used in every operation.
b) Hold the work firmly. Against the mitre gauge or rip fence.
c) Always use push-sticks or push blocks to feed the workpiece past the saw blade.
d) Keep guards in place and in working order. Always ensure that the riving knife is fitted and correctly adjusted. Inspect the riving knife regularly and replace it if it is worn. Use only a genuine Evolution riving knife as this is a dedicated component for this machine.
e) Remove adjusting keys and wrenches. Form the habit of checking to see that keys and adjusting wrenches are removed from the machine before turning it on.
f) Do not use in dangerous environment. Do not use power tools in damp or wet locations, or expose them to rain. Keep work area well lit. Keep the area well ventilated.
g) Keep children away. All children and visitors should be kept at a safe distance from the work area.
h) Do not use High Speed Steel (HSS) blades. Use only saw blades for which the maximum possible speed is not less than the maximum spindle speed of the tool and the material to be cut.
i) The push stick or push block should always be stored with the machine when not in use.
j) Connect the saw to a dust collection device when sawing wood. The operator should be informed of the factors that influence exposure to dust e.g. type of material being cut and the importance of local extraction (capture or source) and the proper adjustment hoods/baffles/chutes.
k) Use proper extension cord. Make sure any extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your machine will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and possible overheating.
l) Always use safety glasses. Also use a face or dust mask if the cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
m) Maintain tools with care. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
n) Disconnect from the power supply before servicing, cleaning or and when changing accessories, such as blades.
o) Use recommended accessories. Only use genuine Evolution accessories.
p) Check for damaged parts. Before further use of the tool, a guard or other part that is damaged 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.
q) Keep hands out of the path of the saw blade.
r) Never reach around the saw blade.
s) Turn off machine and wait for saw blade to stop before making any fence adjustments.
t) Never pull or carry the tool by the power cord. Carrying or pulling the tool by the power cord could cause damage to the insulation or the wire connections resulting in the possibility of electric shock or fire.

u) When transporting the machine use a transportation device. Never use the guards for handling or transportation.
v) During transportation the upper part of the saw blade must be lowered fully and covered by the guard.
w) All operators using this machine must read the instructions and familiarize themselves with the machines workings.
x) Never leave the saw running and unattended. Do not leave the saw until the saw has been switched OFF, and the blade has come to a complete halt.
y) Rebating or grooving should not be carried out unless suitable guarding, such as a tunnel guard, is fitted above the saw table.
z) Saws shall not be used for slotting (stopped groove).

(4.1) GETTING STARTED - UNPACKING

Caution: This packaging contains sharp objects. Take care when unpacking. Remove the machine, together with the accessories supplied from the packaging. Check carefully to ensure that the machine is in good condition and account for all the accessories listed in this manual. Also make sure that all the accessories are complete.

If any parts are found to be missing, the machine and its accessories should be returned together in their original packaging to the retailer.

Do not throw the packaging away; keep it safe throughout the guarantee period. Dispose of the packaging in an environmentally responsible manner. Recycle if possible.

Do not let children play with empty plastic bags due to the risk of suffocation.

(4.2) ITEMS SUPPLIED

Description	Quantity
Instruction Manual	1
Multipurpose Blade	1
Table Extensions	2
Extension Table Support Struts	4
Blade Changing Tool	2
Mitre Gauge	1
Anti-bounce device	1
Adjustable Rip Fence	1
Rear Cantilever Braces	2
Push Stick	1
Fence Rail	2
Table Saw Stand (When Assembled)	1
Allen Key	1
Spanner	1
Fence Locating Bar	1

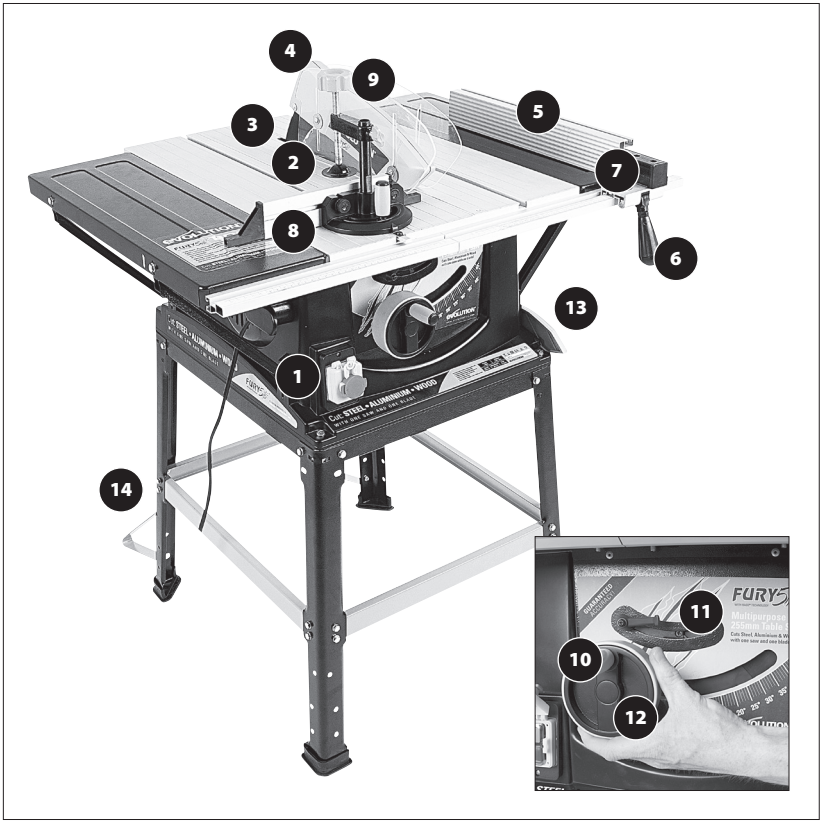
(4.3) ADDITIONAL ACCESSORIES

In addition to the standard items supplied with this machine the following accessories are also available from the Evolution online shop at **www.evolutionpowertools.com** or from your local retailer.

(4.4)

Description	Part No
Multipurpose Blade	FURY 255

MACHINE OVERVIEW



1. ON/OFF SWITCH

2. BLADE

3. RIVING KNIFE

4. BLADE GUARD

5. RIP FENCE

6. RIP FENCE LOCKING HANDLE

7. RIP FENCE SCALE MAGNIFIER

8. SLIDING MITRE FENCE

9. ANTI-BOUNCE DEVICE

10. RISE & FALL ADJUSTMENT HANDLE

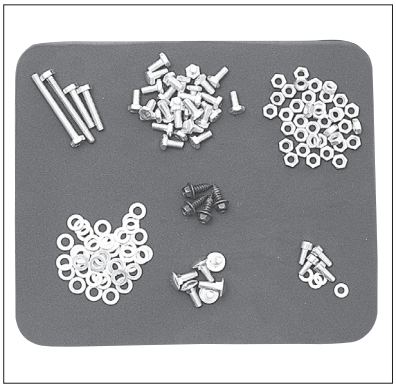
11. BEVEL LOCKING LEVER

12. BEVEL ADJUSTMENT WHEEL

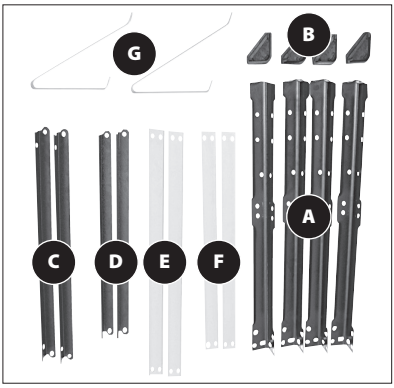
13. PUSH STICK

14. REAR CANTILEVER BRACES ASSEMBLY

MACHINE OVERVIEW

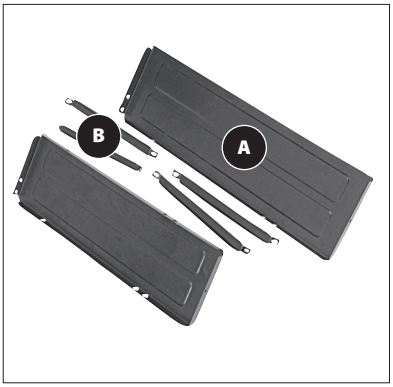


1. FIXINGS GROUPED IN SETS



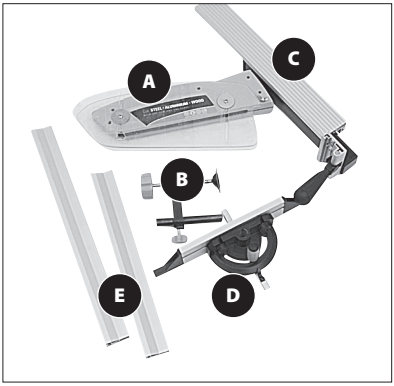
2.THE STAND COMPONENTS

A: 4 X BLACK CORNER LEGS
B: 4 X RUBBER FEET
C: 2 X BLACK TOP CROSSPIECES (LONG)
D: 2 X BLACK TOP CROSSPIECES (SHORT)
E: 2 X GREEN CROSSPIECES (LONG)
F: 2 X GREEN CROSSPIECES (SHORT)
G: 2 X REAR CANTILEVER BRACES



3. TABLE EXTENSIONS AND STRUTS ETC

A: 2 X SIDE TABLE EXTENSIONS
B: 4 X SIDE TABLE SUPPORT STRUTS



4. OTHER PARTS

A: BLADE GUARD
B: ANTI-BOUNCE DEVICE
C: RIP FENCE
D: MITRE GAUGE
E: FENCE RAIL (2 PIECE)

Fig 1

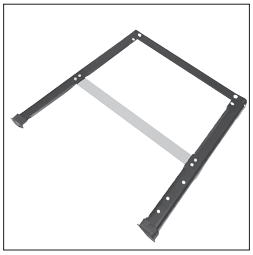


Fig 2

Fig 3

Fig 4

1. ASSEMBLY OF THE TABLE STAND

Note: This process can be considerably aided by studying the images of an assembled machine as found on the original box packaging.

Eight cross-pieces are supplied **(See Fig 1).** The black cross-pieces are for the top of the stand, the green ones are for mid way fixing. The cross-pieces are paired, with two long and two short of each colour.

Identify all parts before proceeding with assembly.

1. Fit the flexible rubber feet to the four legs. The two turned over metal tabs should be guided into the two 25mm slots in the base of the rubber foot which can then be moulded around the base of the leg.

2. Select two legs, a long top cross-piece and a long green cross-piece. Fit the top cross-piece to each leg using one 6mm hex bolt, ensuring that the locating lug on the cross-piece engages into the rectangular slot in the top of the leg. Fit the green cross-piece using four 6mm hex bolts. This cross-piece has sloped ends to accommodate the splay of the legs. Ensure it is fitted correctly with slope facing upwards. Do not fully tighten any of the bolts at this stage. This assemblage will become a side of the stand and should resemble a flat topped letter 'A'. **See Fig 2.**

3. Repeat the above to produce a second side.

4. Using the remaining two top cross-pieces and two green cross-pieces, join the sides together to form the rectangular base of the table stand.

Ensure that the mounting holes formed by the top cross-pieces at each corner of the stand are in alignment. The machine mounting bolts can be loosely fitted in place as an aid to alignment. (Front ø6mm x 30mm, rear ø6mm x 55mm)

5. Fit the two cantilever braces to a narrow side. This will become the rear of the stand. These will provide extra stability and safety when the saw is in use **See Fig 3.**

When finally satisfied with the construction, tighten all nuts and bolts securely, and remove the mounting bolts from the corner holes. **See Fig 4.**

2. ATTACHING THE MAIN BODY TO THE STAND

WARNING: This machine is heavy, enlist competent help when fastening this machine to its base.

The main body of the saw can now be attached to the stand using the four bolts, washers and nuts provided. Ensure that the saw is attached to the stand the correct way round. The bolts fasten through the machines four corner mounting holes, and through the four corner holes in the stand. **See Fig 5.**

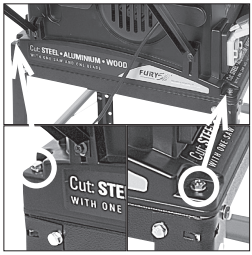


Fig 5

3. TABLE EXTENSIONS

Note: The pressed steel table extensions are not handed and can fit on either side of the machine. However the single hole in the end of the extensions should be to the front of the saw table.

1. Attach the four bracing struts to the table extensions using 6mm hex bolts with a washer under the head of the bolt as well as the nut. Position the front strut in the first slot. Position the rear strut in the single slot to the rear of the extension. Tighten both struts in the middle of their respective slots. **See Fig 6.**

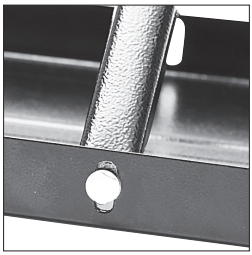


Fig 6

2. Captive nuts are incorporated into the RH and LH edges of the table. Attach the table extensions (single hole to the front) to the table top using the ø5mm socket headed screws and washers.

3. Ensure that the saw table edge and extension table edge are flush and level with each other. Tighten the ø5mm socket screws. **See Fig 7.**

Fig 7

4. Using a straight edge or similar placed across the table and extension to ensure alignment, position each bracing strut to its body mounting turret. Use the hex headed self tapping screw to secure each bracing strut to its turret. The screw will cut its own thread into the turret slot. **See Fig 8.**

5. Final micro adjustment and alignment of the table extensions is possible by repositioning the relevant fixing screw in their slots.

Fig 8

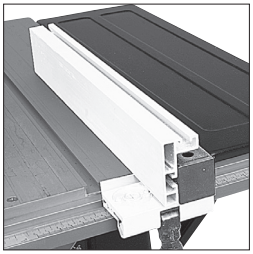


Fig 9

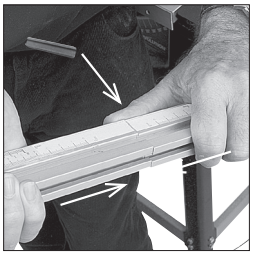


Fig 10

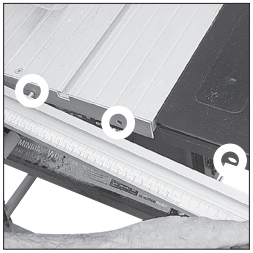


Fig 11

4. ASSEMBLING THE RIP FENCE

The rip fence guide has an adjustable aluminium faceplate. For normal use this should be attached to the steel carrier of the rip fence with the deep (60mm) side in the vertical position and on the LH side of the carrier. **See Fig 9.**

1. Place the two ø6mm x 60mm dome headed coach-bolts into the two through holes in the carrier, dome heads to the LH side.
2. Put washers and the finger nuts (by only a couple of threads) onto the RH side of the carrier.
3. Slide the aluminium faceplate onto the bolt heads.
4. Tighten the two finger nuts.

Note: The magnifier in the Rip Fence clamp should be visible.

5. THE FENCE RAIL

Note: The Fence Rail is supplied in two pieces which slot together. The metal locating bar should be inserted into the rectangular voids of the two extrusions to bridge both parts of the fence rail. The bar should be equally located in either side of the fence rail. **See Fig 10.** The six ø6mm x 15mm domed headed coach bolts should be slid into the channel at the back of the Fence Rail.

1. Offer the Fence Rail up to the front of the machine.
2. Position the six bolts to align with the six holes (one in each extension and four in the main aluminium table). **See Fig 11.**
3. Attach the Fence Rail to the machine using washers and ø6mm nuts. Hand tighten only.

ADJUSTING

WARNING: The machine must not be connected to its mains supply when carrying out the following procedure. The Fence Rail needs to be positioned correctly for its scale to read accurately.

1. Locate the Rip Fence in the Fence Rail to the RH side of the Blade.
2. Raise the saw blade (see Operation Controls 2)
3. Slide the Rip Fence along the Fence Rail until it rests against the raised saw blade.
4. Look through the Rip Fence magnifier, and gently move the Fence Rail to the right or left until the '0' position on the scale coincides with the datum line in the magnifier. **See Fig 12.**
5. Check, and when satisfied that calibration has been achieved, tighten the six Fence Rail nuts securely.
6. Lower the Blade.

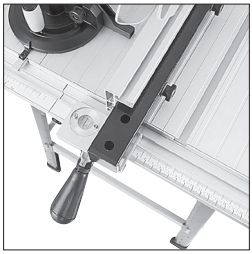


Fig 12

Note: The Rip Fence simply slots into the Fence Rail, and can be locked into position anywhere along the rails length, and at either side of the machine by pressing the locking lever down.

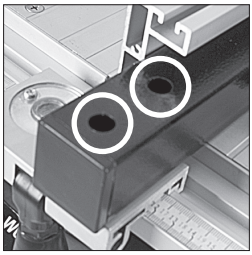


Fig 13

6. CHECKING/ADJUSTING THE RIP FENCE

When the Fence Rail and Rip Fence have been attached to the machine, the Rip Fence should be checked to ensure that it lies parallel to the blade.

1. Raise the blade to its full height.
2. Rest a straight-edge or similar against the blade.
3. Bring the Rip Fence up to the straight-edge and check for parallelism.
4. If adjustment is needed, gain access to the two socket headed screws through the two holes in the steel carrier. **See Fig 13.**
5. Loosen these screws using the correct sized allen key, and adjust the fence as required.
6. Tighten and re-check the Rip Fence when correct alignment has been achieved.
7. Lower the blade.

Fig 14

7. SLIDING MITRE GAUGE

Note: The sliding mitre gauge fits in either of the inverted 'T' slots in the machine table.

The adjustable aluminium faceplate is held in the plastic protractor base of the mitre gauge by two ø6mm domed headed screws and thumb nuts. The anti-bounce device can be fitted into the socket incorporated into the mitre gauge base. **See Fig 14.** Turning the locking handle anti-clockwise allows the mitre gauge angle to be adjusted. Use the protractor scale and pointer and set the gauge to the desired angle. Tighten the vertical handle when the required angle has been set.

Fig 15

Fig 16

Fig 17A

Fig 17B

Note: It is recommended that the anti-bounce device is fitted only when needed (e.g. when cutting thin sheet material or thin walled metal tube etc). At other times store away off the machine for future use.

The pillar of the anti-bounce device fits into the socket in the mitre gauge base, and is held in place by a set screw. **See Fig 15.** To attach or remove the pillar the mitre gauge faceplate will have to be removed to gain access to the set screw.

8. TOP BLADE GUARD

The top blade guard must be fitted to the machines riving knife. The 'split' line along the top of the guard indicates the cutting line of the saw blade below. Graphics on the guard further reinforce the cutting line of the saw blade.

WARNING: The machine must be disconnected from the mains supply when installing the blade guard.

1. Raise the blade to its full height to fully reveal the riving knife.
2. The guards locating pin should be positioned through the hole in the riving knife and the washer and wing nut fitted to one side. The blade guard must move up and down easily and smoothly, so do not over-tighten this wing nut. **See Fig 16.**
3. Check the operation of the blade guard. Ensure that it is working efficiently and covers the blade entirely at the sides as well as the crown.
4. Lower the blade a little and recheck that the blade guard operation.
5. When satisfied that the blade guard works throughout the blades height adjustment range, check that when the blade is fully lowered, the blade guard and side covers are in contact with the table top. **See Fig 17A.**

Note: Guard Setting for Bevel, Mitre & Compound Cuts
When bevel, mitre or compound cutting it may be necessary to remove the left or both blade side covers. **See Fig 17B.**

Use a crosshead screwdriver to remove the side cover attachment screws and their plate washers. Securely store the side covers, screws and washers for future use.

The guard should be secured to the riving knife by tightening the locating pin wingnut. The guard should be positioned so that the workpiece just slides under it, with the maximum number of teeth possible shielded by the guard. Return the guard to the original configuration when bevel, mitre or compound cutting is completed. Recheck the operation of the blade guard.

Fig 18

OPERATION

Controls

1. On/Off Safety Switch

WARNING: Before turning on the switch make sure that the blade guard is correctly installed and operating properly.

To start the machine, press the tabs on either side of the red safety button and lift it and the switch cover plate upwards to reveal the on and off buttons. Push the 'ON' button to start the machine and the 'OFF' button to stop the machine. **See Fig 18.**

Fig 19

WARNING: Never start the machine until all safety checks and procedures have been carried out.

2. Raising/Lowering the blade

WARNING: Only make adjustments to the machine when the machine is switched OFF and the blade is stationary.

The raising and lowering handle is used to raise or lower the blade. Turn clockwise to lower the blade and counter-clockwise to raise the blade. **See Fig 19.**

Fig 20A

3. Tilting the Blade
The blade can be tilted up to 45⁰ to the left. To tilt the blade loosen the tilt locking lever and turn the tilt adjusting wheel until the desired angle is achieved. Tighten the tilt locking lever before using the machine. **See Fig 20 (A) and Fig 20 (B).**

Fig 20B

4. Rip Fence Guide
The rip fence can be positioned either side of the blade and is locked in position by using the locking lever. Push down to lock, and pull up to unlock.

Note: The rip fence guide incorporates a magnifier to aid reading the measurement scale found on the fence rail.

Fig 21

Forwards and backwards adjustment of the rip fence is possible. Loosen the two finger nuts and slide the aluminium extrusion to the desired position. Tighten the finger nuts securely.

Note: We recommend that normally the rip fence be adjusted so that the rear of the guide is level with the rear of the blade where it emerges from the table. **See Fig 21.**

Note: If the rip fence is used on the LH side of the blade the aluminium extrusion will have to be repositioned to the RH side of the steel box-section carrier.

Fig 22

Undo the two wing nuts and remove the aluminium extrusion with its bolts in place. Reposition the extrusion on the RH side of the steel carrier and re-attach the wing nuts. **See Fig 22.** Adjust as above.

Remember to return to the original configuration when the rip fence is in the normal (RH) operating position.

5. Mitre Gauge

The mitre gauge can be used on either side of the table and runs in two inverted T slots in the table top.

Fig 23

Turn the vertical handle counter-clockwise to unlock the mitre gauge, and adjust to the required angle. Turn the handle clockwise to lock the mitre gauge at the chosen angle. **See Fig 23.**

Note: The extruded aluminium face plate of the mitre gauge should be adjusted so that it is close to, but does not foul the blade guard. Adjust by loosening the two wing nuts and sliding the faceplate to the required position. Securely tighten the wing nuts.

6. ANTI-BOUNCE DEVICE

If required, when cutting thin sheet or thin walled box-section material (maximum 3mm thickness applies when Steel cutting), the anti-bounce device can be employed. **See Fig 24.** Adjust using the adjustable handle and knob for best position.

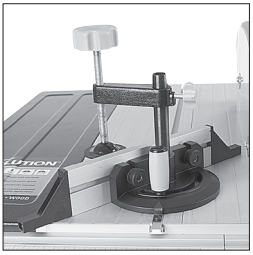


Fig 24

Note: Adjust the anti-bounce device so that the head does not quite touch the material to be cut. You can achieve this by gently clamping the material to be cut with the anti-bounce device, and then backing off the head by 1/4 to1/2 a turn.

BASIC TABLE SAW OPERATIONS

WARNING: Never attempt freehand cuts on this machine. Always use the appropriate guide or fence to minimise the possibility of the blade binding and kickback. We recommend that the saw blade protrudes through the material to be cut by approximately 3mm. Adjust the height of the blade as previously described. This machine is not suitable for cutting rebates or stopped grooves. A vacuum cleaner or workshop dust extraction device can be connected to the extraction port found at the rear of the machine if required. **See Fig 25.**

Fig 25

Note: Adjust the blade guard for mitre, bevel or compound cutting as detailed in Assembly 8.

1. Crosscutting
Set the mitre gauge to 0^0 and tighten using the vertical handle. Position in the desired 'T' slot and adjust the mitre face plate as previously described. Index the material to be cut against the mitre gauge faceplate. Switch on the saw and allow to reach full operating speed before making your cut. **See Fig 26.**

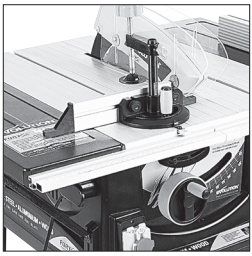


Fig 26

Note: Adjust the blade guard for mitre, bevel or compound cutting as detailed in Assembly 8.

2. Mitre crosscutting
Mitre crosscutting is cutting the material at an angle other than 90^0. Set the mitre gauge to the desired angle, tighten and proceed as crosscutting above.

Fig 27

3. Bevel crosscutting
Bevel crosscutting is the same as crosscutting but with the blade tilted at an angle. Tilt the blade to the desired angle as previously described, and ensure that it is locked in place. Set the mitre gauge to 0^0 and adjust the faceplate so that it does not touch or foul the saw blade as it passes. Index the material against the mitre gauge and make your cut. **See Fig 27.**

4. Compound mitre cutting
Compound mitre cutting is a combination of mitre cutting and bevel crosscutting. Adjust the mitre gauge and the blade to the desired angles. Lock both in place. Check that the mitre gauge will pass the saw blade without fouling. Adjust the mitre gauge faceplate if necessary. **See Fig 28.** Index the material against the mitre gauge and make your cut.

Fig 28

Fig 29

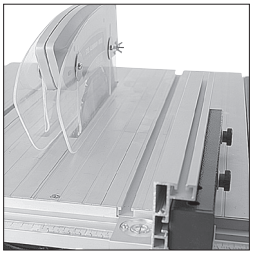


Fig 30

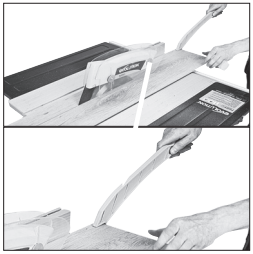


Fig 31

5. Repetitive crosscutting
Repetitive cutting is cutting a number of pieces to the same length without having to mark out each piece.

Note: We recommend that repetitive cross-cutting is carried out with the mitre gauge positioned on the LH side of the machine, with the rip fence on the RH side of the machine. **See Fig 29.** The rip fence can be used as a length stop if it is properly set and adjusted.

Note: Align the back of the fence with the front of the saw blade. This will allow clearance for the material as it passes through the saw blade.

Index the material to be cut against the mitre gauge and the rip fence. Hold the material and mitre gauge with your left hand.

Gently push the workpiece through the saw. Use a push stick, if necessary, in your right hand to guide the workpiece on the RH side of the blade.

6. Rip cutting
Rip cutting is cutting along the length of a piece of material rather than across it. **See Fig 30.** Rip cutting should always be done with the rip fence set to the desired width and normally on the RH side of the machines table. The mitre gauge is not required for this operation, and should be stored safely off the machine for future use.

Note: Check that the rip fence is locked in position and is parallel to the saw blade. Check that the riving knife is properly aligned with the saw blade.

When ripping small section material a push stick should be used to feed/guide the final 300mm of the material past the blade. A push stick should always be used when making cuts of less than 300mm. **See Fig 31.**

When ripping long boards or large panels always use a work support. Feed the workpiece through the saw keeping it indexed against the rip fence. Use smooth, steady pressure and employ a push stick if necessary.

When the ripping width is greater than 300mm, and with care, both hands can be used to guide/feed the material through the saw. The operators left hand will be to the LH side of the saw blade. The operators right hand will be close to the rip fence on the RH side of the saw blade. Hands should never be in line with the blade.

7. Bevel ripping
When bevel ripping material 150mm or narrower use the rip fence on the RH side of the blade only. **See Fig 32.**

Fig 32

MAINTENANCE

WARNING: Ensure that the machine is disconnected from the mains supply before any maintenance tasks or adjustments are attempted.

Changing the Blade

Note: We recommend that the operator considers wearing protective gloves when handling or changing the machines blade.

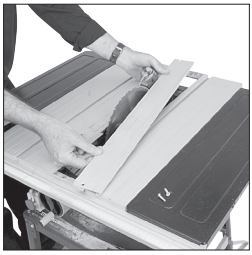


Fig 33

1. Disconnect the machine from the power supply.
2. Remove the blade guard. (see Assembly 7).
3. Remove the table access plate by removing the two countersunk head screws from either end of the access plate. Lift the plate away and carefully store it and its fixing screws for future use. **See Fig 33.**
4. Raise the blade to its highest position.
5. Use the two blade changing tools provided. One to hold the motor arbor, and the other to loosen the arbor nut. **See Fig 34.**
6. Remove the nut, outer flange and blade.
7. Fit the new blade. Ensure that the teeth are facing to the front of the saw, and that the arrow on the blade is in line with the motor direction.
8. Replace the outer flange and nut and tighten securely with the spanners provided. Check that both blade flanges are in contact with the blade.
9. Replace the table access plate and its fixing screws. Ensure that the fixing screws are correctly seated.
10. Replace the blade guard.

Fig 34

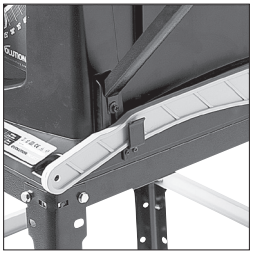


Fig 35

Fig 36

Cleaning
After each use the machine should be cleaned. Remove all sawdust etc from the visible parts of the machine with a vacuum cleaner. A vacuum cleaner can also be connected to the machine dust extraction port at the rear of the machine. This should remove debris from the inside of the machine. Never use solvents to clean plastic parts, as solvents can damage them. Clean only with a soft damp cloth.

Riving Knife
The riving knife is a very important component and comes factory fitted and correctly aligned and adjusted. The riving knife prevents the work from binding as it passes through the blade. Inspect the riving knife at regular intervals and replace it if it is worn or damaged.

Note: Use only a genuine Evolution Riving Knife, as this is a dedicated component for this machine. Non genuine parts could be dangerous. If in any doubt, please contact the Helpline.

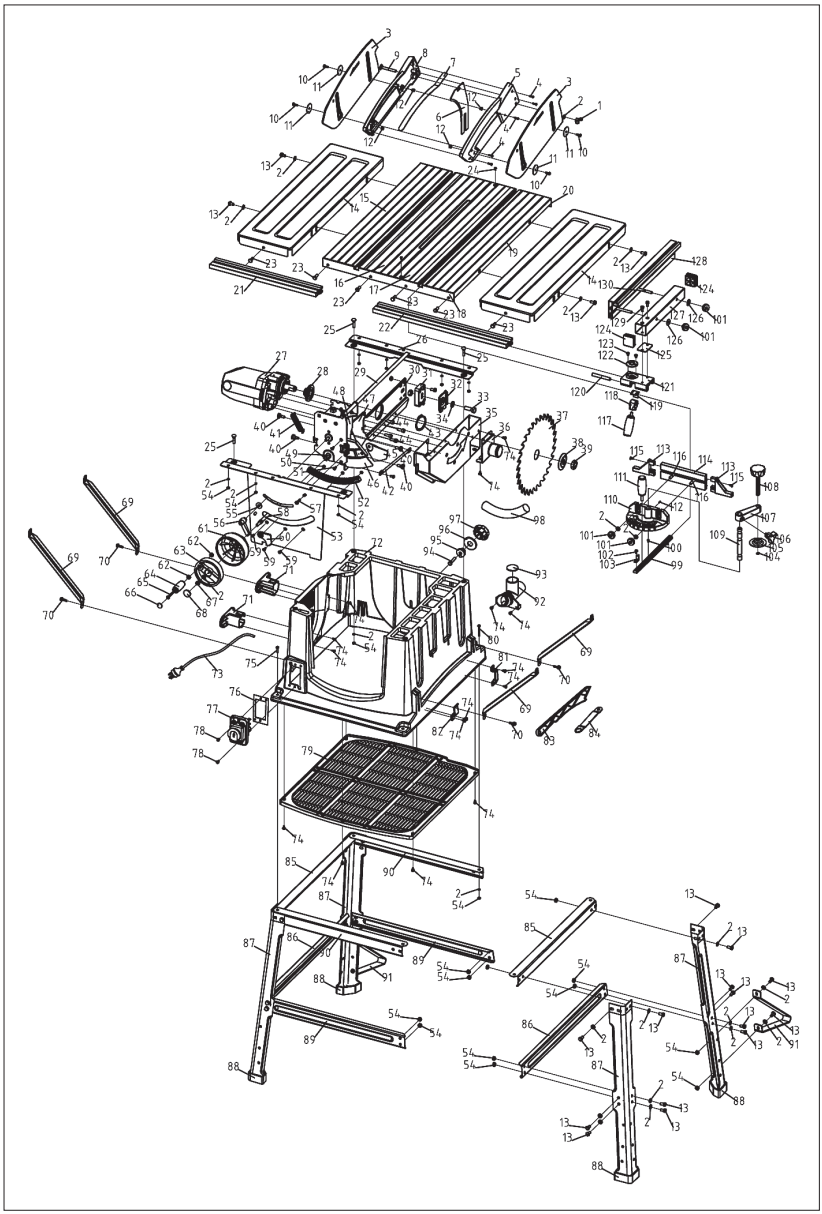
Push Stick
A plastic push stick is provided with the machine and has its own dedicated storage brackets to the RH side of the machines main body. **See Fig 35.** When not in use store the push stick on the machine.

Note: If the push stick becomes damaged it should be replaced. If the operator makes their own push stick, we recommend that it follows the same pattern as that supplied. Replacement push sticks are available from Evolution Power Tools.

Blade Storage
A blade storage facility is available at the rear of the machine. **See Fig 36.** Undo the centre hand nut and place any spare blades onto the ø25.4mm metal flange. Secure the blades with the centre hand nut.

(6.4) ENVIRONMENTAL PROTECTION
Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice

PARTS DIAGRAM



EC DECLARATION OF CONFORMITY
In accordance with EN ISO 17050-1:2004

CE

The manufacturer of the product covered by this Declaration is:
Evolution Power Tools, Venture One, Longacre Close, Holbrook Industrial Estate, Sheffield, S20 3FR.

The manufacturer hereby declares that the machine as detailed in this declaration fulfils all the relevant provisions of the Machinery Directive and other appropriate directives as detailed below. The manufacture further declares that the machine as detailed in this declaration, where applicable, fulfils the relevant provisions of the Essential Health and Safety requirements.

The Directives covered by this Declaration are as detailed below:

2006/42/EC.	Machinery Directive.
2004/108/EC.	Electromagnetic Compatibility Directive.
93/68/EC.	The CE Marking Directive.
2011/65/EU.	The Restriction of the Use of certain Hazardous Substances in Electrical Equipment (RoHS) Directive.
2002/96/EC as amended by 2003/108/EC .	The Waste Electrical and Electronic Equipment (WEEE) Directive.

And is in conformity with the applicable requirements of the following documents:

EN61029-1:2009 • EN61029-2-1:2010 • EN55014-1:2006
EN 55014-2:1997+A1 • EN61000-3-2:2006 • EN61000-3-3:1995+A1+A2

Product Details

Description:	FURY5 255mm (10") MULTIPURPOSE TABLE SAW
Evolution Model No:	FURY52552 / FURY52552EU
Brand Name:	EVOLUTION
Voltage:	230V
Input:	50Hz

The technical documentation required to demonstrate that the product meets the requirements of directive has been compiled and is available for inspection by the relevant enforcement authorities, and verifies that our technical file contains the documents listed above and that they are the correct standards for the product as detailed above.

Name and address of technical documentation holder.

Signed:  Print: Steven Bulloss: Operations Director.

Signed:  Print: Lettie Lui: Product Manager.

Date: 01/06/2010

NOTES

EVOLUTION®

www.evolutionpowertools.com

UK
Evolution Power Tools Ltd
Venture One
Longacre Close
Holbrook Industrial Estate
Sheffield
S20 3FR

+44 (0)114 251 1022

US
Evolution Power Tools LLC
8363 Research Drive
Davenport
Iowa
52806

866-EVO-TOOL

JP
エボリューション
パワーツール株式会社
〒544-0031
大阪府大阪市生野区
鶴橋5丁目21−19

0120-051-415

EU
Evolution Power Tools Ltd
61 Avenue Lafontaine
33560
Carbon-Blanc
Bordeaux

+ 33 (0)5 57 30 61 89

Discover Evolution Power Tools

Visit: **www.evolutionpowertools.com** or download the QR Reader App on your smart phone and scan the QR code (Right).