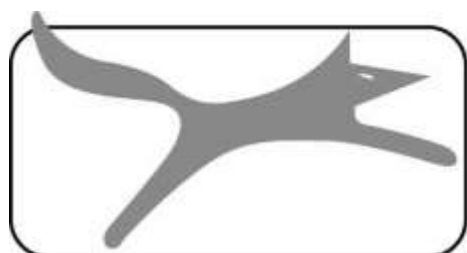


TABLE SAW

FOX Model F36-522E



ASSEMBLY AND OPERATING INSTRUCTIONS



FOX

Table saw

FOX MODEL F36-522E

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ATTENTION :

- Read the instructions for use carefully before using the machine
- This device meets current safety standards for electrical machines.
- Incorrect use may result in injury. Anyone not familiar with the instructions for use should not use the machine. Keep these instructions for use safe.

SAFETY INSTRUCTIONS

ALWAYS DISCONNECT THE MACHINE FROM THE POWER SOCKET BEFORE ATTEMPTING ANY MAINTENANCE.



Keep a safe working zone for both staff and equipment. NO CHILDREN must be allowed in the working zone under any circumstance.

The machine must be always disconnected when not in use. Use the on/off switches on the machine. Always disconnect the machine by pulling the plug, do not pull the power cord.

Before using the machine, remove all tools used for setup and keep them away from your working zone. Reconnect the machine. Check that the working zone is clear and that there is plenty room to work with the wood.

Ensure you are in good working position. If the work will produce dust or small pieces, wear safety gear, protective glasses, gloves, a mask and ear defenders. If you have long hair, tie it up. Do not wear watches or bracelets. Wear shoes with good grip and remember to never place your fingers too near the blade.



Do not use the machine if you are tired or distracted because you risk injury.



Do not use this machine anywhere containing flammable liquids and/or volatile gases.

1. Keep your working area clean. Untidy working zones and busy workbenches invite injuries.
2. **Avoid** a dangerous environment. Do not expose machines to rain and not use them in wet places. Ensure your working zone is well lit. Do not use the machine where there is gas or flammable liquids.
3. **Protect yourself** from electric shocks. Avoid touching earthed surfaces.
4. **Keep** children and visitors well away from the working area.
5. **Tidy** up any tools not in use. When tools are not used, they should be kept in a dry, locked place, out of reach of children.
6. **Do not force** the machine. It will work better when used with the pressure it was designed for.
7. **Use** the correct tools. Do not force a small tool to do the work of a bigger tool. For example, do not use a circular saw to cut branches or logs.
8. **Wear** appropriate clothing. Avoid loose clothing, and remove jewellery which could become caught in moving

- parts. Non-slip shoes are particularly recommended when working outside. Keep long hair tied up.
9. **Always** wear safety glasses. Also wear a mask if operating the machine creates dust.
 10. **Do not** mistreat the power cord. Never use the power cord to pull out the plug. Keep the power cord away from heat, oil and sharp edges.
 11. **Do not** bend over the machine. Keep your balance at all times.
 12. **Keep** tools in good condition. Clean tools to obtain the best results with them. **Follow instructions** to grease and change accessories. Regularly check the power cord and replace it if damaged. Keep handles dry, clean and free from oil and grease.
 13. **Disconnect** the tool when not in use, before the maintenance and while changing accessories such as blades, drills, etc.
 14. **Remove** all maintenance tools. Get used to checking that all maintenance tools are removed before using the machine.
 15. **Avoid** accidentally starting the machine. Make sure that the switch is in the "OFF" position before connecting the power.
 16. When the tool is used outside, use only extension leads designed for outdoor use.
 17. **Be observant.** Use common sense when operating machinery. Do not use the tool when tired.
 18. **Inspect** parts before use. Before continuing to use the tool, inspect any protective parts) which could be damaged to make sure that they work well. Verify that the moving parts are properly aligned, and are not jammed or broken. Check the assembly and any other conditions which may affect the correct functioning of the machine. Any damaged part or guard must be repaired or replaced by an approved after-sales service centre. Do not use the tool if the switch does not work correctly.
 19. **Warning:** the use of any non-recommended accessory can present a health risk.
 20. **Have the machine repaired** by a qualified person. This machine is built according to relevant safety requirements. Repairs must only be made by a qualified person using original spare parts, otherwise it may be very dangerous for the user.
 21. **Keep these instructions.**

SPECIFIC SAFETY INSTRUCTIONS FOR SAWS

Do not use the saw until it is completely assembled and installed according to the instructions in this manual.

If you are not completely familiar with operating saws, obtain help from a qualified person.

Replace table insert when worn.

Use only saw blades recommended by the manufacturer, which conform to EN 847-1.

When changing the saw blade ensure 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.

Take care that the selection of the saw blade is suitable for the material to be cut.

Wear suitable personal protective equipment when necessary. This could include hearing protection to reduce the risk of induced hearing loss and respiratory protection to reduce the risk of inhalation of harmful dust.

Wear gloves when handling saw blades and rough material. Saw blades should be carried in a holder whenever practical.

Do not use High Speed Steel (HSS) blades.

The push stick or push block should **always** be stored with the machine when not in use.

Only use 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.

When transporting the machine **lift only** by handles or solid parts, never use guards to move or transport the machine.

During transportation, the upper part of the saw blade should be covered by the guard.

If you need to use an extension cable, **make sure** its conductor cross-section is large enough for the saw's power consumption. Minimum cross section : 1.0mm².

After you have switched off the motor, never slow down the blade by applying pressure to its side.

Fit only blades which are well sharpened and have no cracks or deformations.

Faulty saw blades **must** be replaced immediately.

If you are interrupted while operation the saw, **finish** what you are doing and switch off the machine before looking up.

Periodically check that all nuts, bolts and other fixings are properly tightened.

Always ensure that your work is on the table. Never use the tool to cut pieces that are not on the table.

Do not place your hands in awkward positions where one or both may slip suddenly and touch the saw blade.

When working with a long workpiece, use an additional support such as a saw blade to prevent the blade from grabbing the work.

When cutting round wood, use clamps that prevent the workpiece from turning on the table.

There must be **no nails** or other foreign bodies in the part of the workpiece you want to cut.

Never load the machine so much that it slows down and overheats.

Never saw several workpieces simultaneously.

Never remove loose splinters, chips or jammed pieces of wood while the saw blade is running.

To rectify faults or remove jammed pieces of wood, **always** switch off the machine first and remove the mains plug.

Adjustments, measurements and cleaning jobs are to be performed **only** when the motor is switched off and the mains plug removed.

All guards and safety devices have to be refitted **immediately** after completion of any repairs or maintenance.

The machine may **only** be used in a closed room when in conjunction with a suitable vacuum extraction system.

The saw must be connected to a 240V socket with a minimum 10A circuit.

Unless otherwise stated in these instructions, damaged safety devices and parts **must** be repaired or replaced by an authorised service facility.

This tool complies with relevant safety regulations. Repairs are to be carried out **only** by qualified electricians at authorised service centres, using original replacement parts. There is a risk of injury if this not observed.

Rebating or grooving **should not** be carried out unless suitable guarding, such as a tunnel guard, is fitted above the table saw.

Saws **shall not** be used for slotting (stopped groove).

Use the push stick when required. Always use a push stick for ripping narrow stock. Refer to ripping applications in this instruction manual where use of the push stick is covered in detail.

Always use the saw blade guard and riving knife for every operation, including through sawing. Through sawing operations are those in which the blade cuts completely through the workpiece when ripping or crosscutting.

Always hold the work firmly against the mitre fence or rip fence.

Never perform any operations "free hand". Always use either the mitre fence or the rip fence to position and guide the work.

Never stand or have any parts of your body in line with the path of the saw blade.

Keep your hands out of the line of the saw blade.

Move the rip fence out of the way when crosscutting.

Feed the work into the blade AGAINST the direction of rotation only.

Never use the fence as a cut-off gauge when crosscutting.

Keep these instructions safe.

SPECIFICATIONS

Motor :	1500W – 240V (2hp)
Blade diameter :	250mm
Bore diameter :	30mm
Speed :	5500rpm
Max. cutting capacity at 90° :	71mm
Max. cutting capacity at 45° :	51mm
Dimensions (h x l x d) :	1100x444x625mm
Dimensions inc extensions (h x l x d) :	1100x944x935mm
Weight :	27kg

NOISE INFORMATION

The noise level of the machine is measured according to the standard DIN IN ISO 3744; 11/95, E DIN IN 31201; 6/93, Annex A ISO 7960; 2/95 because the levels of sound pressure exceed 85 dbA during use. Protective measures against the noise are necessary.

The quoted emission values are calculated according to standards and not related to use in the workplace. Although there is a correlation between these various levels of emission, it is impossible to draw any conclusion on additional necessary precautions. Factors having a potential influence on the level of sound transmission in the workplace include the working time, the size of the room as well as the other sources of noise (e.g. the number of machines being used, other noisy operations at the same time). The thresholds of sound level vary between countries. For these reasons, we recommend users to wear ear defenders when using this machine.

Sound pressure level	LpA = 92dB(A)
Sound power level	LWA = 105dB(A)
Uncertainty of measurement	K = 3dB

The sources of the noise of the saw are : the electric engine and its ventilation system, the blade and the material to be cut.

We recommend you use ear protection devices.

ELECTRICAL CONNECTIONS

EXTENSION CORDS

Before using an extension cord, ensure the insulation is not cut or worn. Immediately repair or replace a damaged or frayed cord.

Length of the extension cord: up to 15m

Dimension of the wire: 3 x 2.5mm²



ATTENTION :

Extension cords must be removed from the work area or located so that they will not get caught in parts, tools or other objects while using the tool.

ELECTRICAL CONNECTION

Your table saw contains a precision electric engine. It must be connected on an electrical supply of 240V, 50 Hz. If your machine does not work when it is connected please check your electrical supply.

EARTHING INSTRUCTIONS

In case of malfunction or short circuit, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with a power cord with an earthing conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and regulations.


Do not modify the plug provided. If it does not fit into the outlet, have a proper outlet installed by a qualified electrician. Improper connection of the grounded equipment can result in a risk of electric shock. The green wire with or without yellow stripes is the earth wire. If repair or replacement of the power cord is necessary, do not connect the grounding conductor to a live terminal.

If the earthing instructions are not completely understood, check with a qualified electrician or a person responsible for maintenance, or if there is any doubt that the tool is properly grounded.

If the power cable is damaged, it must be replaced by the manufacturer, after sales service or similarly qualified persons in order to avoid a hazard. Do not operate the tool with a damaged power cable.

This tool is intended for use on an electrical circuit with a wall outlet and earthing pin.

ENVIRONMENTAL PROTECTION

England		<p>Only for EU countries</p> <p>Do not dispose of electric tools together with household waste material!</p> <p>In observance of European Directive 2002/96/EC on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.</p>
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The crossed-out wheeled bin means that within the European Union the product must be taken to separate collection at the product end-of-life. This applies to your device but also to any enhancements marked with this symbol. Do not dispose of these products as unsorted municipal waste.

The European directive DEEE concerning the environment, states that it is forbidden to dispose of used electric or electronic devices in household waste. They must be taken to a compatible recycling facility.

ATTENTION:

The manufacturer reserves the right to change specifications without notice.

Images are supplied for information purposes only. Actual machine and accessories may differ in appearance.

SYMBOLS



Always wear protective goggles when using this machine.

Always wear ear defenders when using the machine.



Heavy lift. Transporting the machine requires two people.



Read and understand the instruction manual before using the machine

Product meets relevant CE standards.



Always wear a protective mask if the operation is dusty.



RECOMMENDED USE

This machine has been manufactured for longitudinal and cross cutting of wood and similar materials. The blade can be tilted from 0° to 45° and at 0° it can cut up to 73mm, while if the blade is tilted it can cut up to a width of 60mm.

Do not cut wood wider than 73mm.

Do not cut metal, stone, rubber, plastics, chalk, glass wool, etc.

Do not cut stubs or irregular wood pieces.

Do not use this machine for ribbing or moulding.

Only use recommended saw blades.

Do not use it as a portable tool.

Do not modify the machine, the safety and protection devices or the switches.

Never use the machine without protection or safety devices.

Do not use this machine to make blind grooves.

UNPACKING

This package includes :

1. Table saw
2. Mitre gauge
3. Rip fence
4. Pusher
5. Three workbench extensions
6. Four attach bars for workbench extensions
7. Screws for fixing workbench extensions
8. Suction pipe
9. Two wrenches to change the blade
10. Blade protection
11. Base including :
 - Four feet
 - Four crossbars
 - Four rubber feet
 - Two back supports

Remove the table saw and all parts from the package, check if there are any missing or damaged parts.

If you find any faulty or damaged parts, do not use them as this may endanger the efficiency and safety of the machine. To change faulty parts, consult an after sales centre.

To make the table saw work correctly, you must assemble the various parts. A detailed explanation of this follows.

We recommend you read the assembly instructions carefully and follow them to the letter. Once you have

assembled the table saw, in order to use it you must place it on a perfectly plane surface, in a covered, clean, empty and well-ventilated environment, with a medium level lighting.

IMPORTANT :

Before use, ensure you have removed the transport protection inside the machine.

INSTALLATION AND ASSEMBLY

* Installation of side extension of the table

The support consists of four table legs with cross braces which must be fitted .

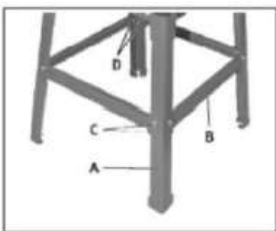
Tools required :

-2 ring spanners ,size 10 (one is needed for counter tightening) .

-1 Allen key 4 mm

1. Assemble the four table legs A with the four cross braces B .Each cross brace must be fastened to each table leg using bolts C (including washers)and counter nuts D.
2. Fasten the side extensions from below using two hexagonal bolts E for each pre-drilled hole provide on the outside edges of the table saw .
3. From below ,fix two supports F ,using bolts C (including washers) and counter nuts to fix the side extensions .Screw the extension supports F to the frame housing (threaded hole)using two bolts (including washers)
4. Fix the support to the table saw .For this ,match up the holes on the upper end of the table leg A to the threaded holes of the frame housing .
5. If necessary ,the support can be fixed to the floor .The material required for this is not included In the delivery .

Note: Place the machine only on a flat ,non -slip surface. The machine must not rock .



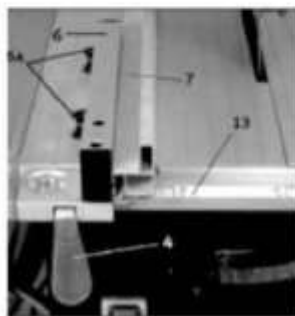
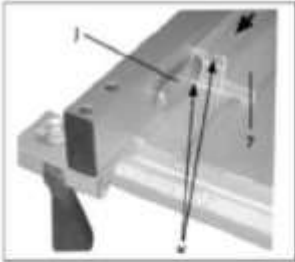
FITTING ACCESSORIES

Parallel Guide

The parallel guide 7 to be pushed onto the fixing block at corresponding guide height .

1. Loosen both wing nuts on the fixing block 6 until the slide plate J is free .

2. Slide the parallel guide 7 with one of the two rails K over the slide plate J .
2. Fix the parallel guide in the desired position by tightening the wing nuts 6a.
4. Push the fixing block 6 onto the profiled rail with the scale 13, and fix by pushing down the fixing lever 4 .



MITRE ANGLE GUIDE

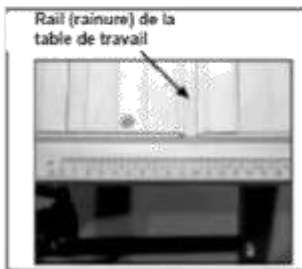
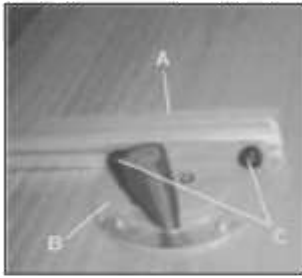
The mitre angle guide 11 consists of two parts : a guide plate A (use the removable fence from the parallel guide) and the angled adjuster B which must be assembled together

1. Loosen the two fixing bolts C until the side plate of angle adjuster is free ,Insert the guide plate A with one of the two rails on the slide plate into the desired position and tighten the fixing bolts .
2. Insert the slide rod of the mitre angle guide into the desired rail on the table .

Notes :

Whether the guide plate A is inserted with the long side upwards of downwards depends on the eight of the workpiece .In general ,right-handed people prefer to slide the mitre angle guide into left side

RIP FENCE



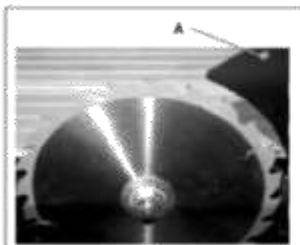
BLADE GUARD

Danger!

Risk of injury!

The saw blade must be lowered as much as possible to avoid injuries.

1. Using the handle crank 2 for height adjustment, lower the saw blade low enough that hole A in riving knife 9 is still accessible.
2. Loosen the wing nut 8 on the saw blade protector and remove it together with the bolt screw and washer.
3. Position the saw blade protector 8 with its slit on the riving knife, and again the hole in the saw blade protector with the hole in the riving knife.
4. Insert the bolt through the hole and fasten it with the washer and locking nut.



DUST EXTRACTION

1. Insert one end of the extraction hose onto the nozzle of saw blade protector 7 and the other end in the extraction nozzle 15.
2. Attach a suitable vacuum cleaner to the dust extraction nozzle 15.



MAINTENANCE

Before any intervention on the machine (installation, adjustment, blade replacement...) always make sure that the machine is unplugged.

□ Cleaning

--When the table saw has been used for some time, dust or other substances can prevent the proper operation of the machine (essentially the rotary parts). You can clean the equipment using a blow gun. Check frequently your machine. Be aware of any problems that may occur to the power cord, the plug, or the switch.

--To avoid overheating the motor, check regularly that the dust does not obstruct the ventilation opening of the motor. The presence of the sparks into the ventilation slots is normal and will not damage the tool.

-- Cleaning the plastic parts should be done with disconnected machine with a soft wet cloth and mild soap. Never immerse the table saw and do not use detergent, alcohol, gasoline, etc. For a thorough cleaning, contact the After-Sales Service. Cleaning aluminum parts must be done using a non-corrosive product to such material.

--Remove regularly chips and dust with a vacuum cleaner or a brush.

--Check frequency all bolts and screws are properly tightened.

The table saw has been lubricated at the factory and therefore needs no special libration.

□ Replacement of parts and maintenance

□ Check periodically the power cable, if the power cable is damaged, it must imperatively be replaced by the manufacturer, its service agent or a similarly qualified person in order to avoid danger.

Warning! As with all power tools, there are potential hazards involved with the use of this Table saw. It is, therefore, vital to ensure you read, understand and apply all the safety instructions in Section 1. Familiarize yourself again with the specific safety rules for each step of the following operation. Failure to do so may cause serious damage and/or personal injury and may invalidate your warranty. Disconnect the table saw from the mains power before making adjustments or changing blades. Ensure that all clamps, screws and nuts are secure and that the blade is in good condition and correctly mounted. ALWAYS have the blade guard down before turning on the table saw. Wear approved safety eye protection.

REPLACING THE BLADE

The saw blade has to meet the technical specification.

Check saw blade for flaws(cracks, broken teeth, bending) before installation. Do not use faulty saw blades.

The saw blade teeth must point in cutting direction(down).

Always wear suitable gloves when handling saw blades.

Warning

When installing or changing saw blade, always disconnect saw from power source, unplug!



Remove the two screws with Crosshead Screwdriver, take off the table.



1. Using the spanner provided to loose the screws and flanges.
2. Remove the table insert.
3. Place blade on arbor shaft making sure teeth point down at the front of the saw.
4. Reinstall flange and screws security tighten.
5. Reinstall the table insert.

Attention

The servicing of saw blades should only be performed by a trained person.

Defective safety devices must be replaced immediately.

Check saw blade regularly for faults .Replace a defective saw blades immediately.

OPERATION

Correct working position:

In front of the machine standing out of the line of cutting(danger zone)

Work piece handling

Hands placed flat on the work piece outside the cutting area.

Feed the work piece towards the saw blade in the direction of the saw line. Push the work piece steadily forward; complete the cut as a single movement.

Support long and wide work pieces with helping roller stands.

Operating hints:

Always observe the safety instructions and adhere to the current regulations.

Ensure that the saw blade protective cover is in the correct position before you start sawing.

The cutting blade must first reach the maximum speed before cutting may begin.

Attention

The condition of the blade should be checked before each machining process.

Work only with a sharp and flawless saw blade

Never use a saw blade rated with a blade speed lower than the machine.

Use a suitable wedge to prevent round timber from turning under the pressure of the cut.

Use suitable table extensions and supporting aids for difficult to handle work pieces.

Always hold and guide the work pieces safely during machining.

Do not perform any operation freehand.

Do not perform any grooving, tenoning or splitting operations on the machine.

When ripping narrow work pieces (width less than 120mm) use a push-stick or push-wood

Make sure that small cut off work pieces will not be caught and thrown away by the rising saw blade teeth.

Remove cut and jammed work pieces only when motor is turned off and the machine is at a complete standstill.

Pay particular attention on reducing the risk of kickback.

The supplied riving knife must always be used.

Inspect for correct adjustments

TROUBLESHOOTING

The saw does not start:

- The power socket is not supplying power correctly
- The power cable is faulty
- The motor is damaged or the carbon brushes must be replaced

Machine vibrations:

- The inclination lock handle is not tightened
- The blade is not fixed correctly

Wood darkens while cutting:

- The tool is not correctly sharpened
- The tool has been assembled back-to-front

The tools wear rapidly:

- The tool is not correctly sharpened
- The wood is dirty (cement, sand, etc)

The engine does not work properly:

(excessive heating, noise increase, excessive sparking from the carbon brushes)

- The motor may be damaged: have the machine checked by an electrician
- Carbon brushes need replaced

Blade stops rotating:

- The tool is not correctly sharpened
- Speed is set too high

The blade rejects the wood:

- The rip fence is not parallel
- The riving knife is not correctly aligned

Other:

The bearings are noisy – change them

Check the play of the gears and have them changed if necessary

DART TOOL GROUP GUARANTEE

DART TOOL GROUP takes pride in the quality of the power tools it supplies. The component parts of our tools are inspected at various stages of production and each finished tool is subjected to a final check before being packaged for shipment. Because of our confidence in our engineering quality, DART TOOL GROUP agrees to repair or replace any part or parts of FOX Power Tools and accessories which, upon examination, prove to be defective in workmanship or material. The warranty period for the FOX branded products is one year for parts and labour and three years for parts only. The guarantee does not include repair, labour or parts requiring replacement because of misuse, abuse, or normal wear and tear. Repairs made by other than the factory, DART TOOL GROUP service centre or authorised FOX service dealers relieves DART TOOL GROUP of further liability under this guarantee. THIS GUARANTEE IS MADE EXPRESSLY IN PLACE OF ALL OTHER GUARANTEES OR WARRANTIES, EXPRESSED OR IMPLIED, WITH RESPECT TO QUALITY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE.



CE DECLARATION OF CONFORMITY OF THE MANUFACTURER

SERRACON

WHEATFIELD ROAD

DUNNIKIER BUSINESS PARK

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Declares that the: TABLE SAW (F36-522E)

is in compliance with the regulations included in the Directives: CEE 2006/42-2004/108-2006/95

Person authorized to create the technical file: **Robert Paterson**



21.08.2015

The Director

Robert Paterson