

# DeWalt / Elu Flipover Saw

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.



**It is important to read all of this leaflet BEFORE you use the Flipover Saw**

- Plan your work and think ahead to make sure you will always be working safely.
- Electricity can be hazardous and must always be used with great care.
- The flip-over saw can be set up either as a pull-down mitre saw, or as a sawbench. Do not try to use it in any other way. It can cut wood and similar composite materials using the standard blade.
- Do not use it to cut asbestos or metal.
- You must have at least the following items of personal protective equipment: goggles – impact resistant EN166-B or BS2092 grade 1; dust mask – a minimum of EN149 FFP3 (s) protection; ear muffs or plugs giving protection for levels up to 100 dB(A); gloves.
- This machine must not be used by minors, or by anyone under the influence of drugs or alcohol.
- This machine is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.
- If your equipment does not work properly, do not attempt to repair it. Contact the hire company.

Every effort has been made to ensure that the information given in this document and supporting material is accurate and not misleading. HAE/HA/EH/EA cannot accept responsibility for any loss or liability perceived to have arisen from the use of any such documentary material. Only Acts of Parliament and Statutory Instruments have the force of law and only the courts can authoritatively interpret the law.

**FLIP OVER SAW**

- Check your flip-over saw, including guards, switches and cables. If anything is found to be wrong, do not use the machine; contact the hire company.
- Check that the plug on your machine connects your saw properly. Do not try to force connections or improvise them.
- Machines with a cylindrical yellow industrial plug fitted are designed to run off a special 110v supply. The hire company will have provided a portable transformer if you need to power the machine from a normal mains 230v supply. If a portable transformer has been supplied, take care not to injure yourself when moving it about – it may be heavier than you think. Machines designed to run directly from 230v mains will have either a normal square pin plug fitted, or a three pin industrial plug around 26cm (10in) in length. When you are moving it, into be careful where you are moving it into position. You may need two people to do this.
- To fit the legs, place the machine on a bench or strong table. Pull the machine forward and fit each leg in turn, making sure that the clamping wing nut is done up securely.
- The saw is normally transported in saw bench mode. Read the instructions on changing from sawbench to mitre saw if you plan to set it up as a mitre saw.
- If you plan to cut sheets of wood or composite material that are larger than the sawtable, you will need an assistant. Use a suitable extension – contact the hire company if one has not been supplied.
- Check that any cable extensions, fences and cutting guides are properly fitted in their correct positions.

**FILPOVER SAW**

- Check your flip-over saw, including guards, switches and cables. If anything is found to be wrong, do not use the machine; contact the hire company.
- Check that the plug on your machine connects your saw properly. Do not try to force connections or improvise them.
- Machines with a cylindrical yellow industrial plug fitted are designed to run off a special 110v supply. The hire company will have provided a portable transformer if you need to power the machine from a normal mains 230v supply. If a portable transformer has been supplied, take care not to injure yourself when moving it about – it may be heavier than you think. Machines designed to run directly from 230v mains will have either a normal square pin plug fitted, or a three pin industrial plug around 26cm (10in) in length. When you are moving it, into be careful where you are moving it into position. You may need two people to do this.
- To fit the legs, place the machine on a bench or strong table. Pull the machine forward and fit each leg in turn, making sure that the clamping wing nut is done up securely.
- The saw is normally transported in saw bench mode. Read the instructions on changing from sawbench to mitre saw if you plan to set it up as a mitre saw.
- If you plan to cut sheets of wood or composite material that are larger than the sawtable, you will need an assistant. Use a suitable extension – contact the hire company if one has not been supplied.
- Check that any cable extensions, fences and cutting guides are properly fitted in their correct positions.

**SAWBENCH TO MITRE SAW**

- Unplug the saw.
- Unplug the guard by pulling the trigger knob on the blade guard to release the guard from the riving knife. Store the guard safely, together with the push stick, they will be essential when the flip-over saw is used as a sawbench.
- Remove the rip fence and mitre fence, if fitted.
- Place the table release lever to the left, then lift the rear of the table and swing it right over until it locks into position at the front.
- Partially lower the saw head, and disengage the lower end of rise and fall adjuster from its support at the rear of the sawhead. Swing the adjuster upwards until it clips into place in its newly upright position. Let the saw head rise back into normal position.
- Remove the riving knife clamp knob to allow the riving knife to be tilted to the left and then swung up into the guard away from the blade. Tighten the clamp knob.

Redistributed under licence from HAE by FTH Hire Group. Licence expires on 31/03/2022

# Before Starting Work...

- Check that you have a proper push stick with the saw, ready for use.
  - You will need a proper gripping or clamping tool if you are going to cut round section timber.
  - Sawbench is flammable and can present a risk of explosion – dispose of it carefully. Never put it onto a fire.
  - Make sure that you understand all of the controls. Before you switch the saw on, you must know how to switch it off.
- ELECTRICAL SAFETY 230 VOLT MACHINES**
- If you need an extension cable, you must use a suitable rated heavy duty one, not longer than 50 metres (160 feet). Plug it directly into the socket. Plug your machine into the 230 volt socket. This will help to protect you against electric shock and electric fire hazards on the 230V cable and the “TEST” button to check that the red is working each time you use it. Read the red according to the instructions supplied with it.
  - If you need an extension cable, you must use a suitably rated heavy duty one, not longer than 50 metres (160 feet). Plug it directly into the socket.
  - Wear your protective equipment including goggles and ear defenders.

# Using the Mitre Saw

- Wear your protective equipment including goggles and ear defenders.
  - Move the sawhead to the required angle, lock the mitre saw and turn it anti-clockwise a quarter turn.
  - Release the turntable clamp. Lift the turntable location plunger and turn it anti-clockwise a quarter turn.
  - Move the sawhead to the required angle, lock the mitre saw and turn it anti-clockwise a quarter turn.
  - Pre-engage the mitre cutting depth stop by turning it to the left.
- BEVEL AND COMPOUND CUTS**
- The sawhead can be tilted at up to 45° to the left to allow bevel cuts. This can be done in compound. Note that the depth of cut will be less than that available for straight cross-cuts.
  - Release the bevel clamp handle. This is spring loaded and has a ratchet action which stops the saw head from returning to the sawhead pivot.
  - Set the sawhead to the required angle, using the scale on the right hand side of the sawhead pivot.
  - Set the depth of the cut by adjusting the bevel clamp handle. Use the ratchet mechanism to leave the clamp handle in a horizontal position so that it does not foul when changing mitre angles.
- STANDARD EQUIPMENT**
- 30 tooth TCT blade  
Parallel fence  
Push stick  
Riding/mitre fence  
Sliding table  
Sliding table stand  
Guide rods  
Stop
- OPTIONAL EQUIPMENT**
- Sliding table  
Guide rods  
Stop  
Push stick  
Riding/mitre fence  
Sliding table stand  
Guide rods  
Stop

# Preparing for Transport

- The flip over saw is best transported in saw bench mode. Read the instructions for how to change mode.
  - Make sure that the push stick and any accessories are safely stored with the saw before transporting it.
- MITRE SAW TO SAWBENCH**
- Set the sawhead into the O° straight cross-cut position. Unplug the location clamp secured, and the turntable clamp secured.
  - Stack the riving knife clamp enough to allow the riving knife to swing down and slide across into position behind the blade. Turn the sawblade by hand to check that the riving knife is clear of the blade, and then tighten the clamp knob.
  - Check that the mitre depth stop is turned to the right to disengage.
  - Pull down the sawhead then unclip the rise and fall adjuster from its parked position. Swing the sawhead down so that the riving knife is clear of the blade. Release the sawhead in its normal position. Let the saw head rise back into normal position.
  - Remove the riving knife clamp knob to allow the riving knife to be tilted to the left and then swung up into the guard away from the blade. Tighten the clamp knob.

material approaches the blade, the push stick will be essential to prevent the blade from catching the riving knife at the rear of the sawblade.

Keep both hands clear of the blade at all times.

- Use the push stick to move offcuts or small pieces of material away from the blade.
- Do not attempt to sweep away sawdust or debris while the saw is on. Switch off, and let the blade stop first.
- Make sure that the machine ventilation slots do not become blocked with dust or debris. Clean the machine before changing mode, making any major adjustments or unattended.

**SAWBENCH TO MITRE SAW**

- Unplug the saw.
- Unplug the guard by pulling the trigger knob on the blade guard to release the guard from the riving knife. Store the guard safely, together with the push stick, they will be essential when the flip-over saw is used as a sawbench.
- Remove the rip fence and mitre fence, if fitted.
- Place the table release lever to the left, then lift the rear of the table and swing it right over until it locks into position at the front.
- Partially lower the saw head, and disengage the lower end of rise and fall adjuster from its support at the rear of the sawhead. Swing the adjuster upwards until it clips into place in its newly upright position. Let the saw head rise back into normal position.
- Remove the riving knife clamp knob to allow the riving knife to be tilted to the left and then swung up into the guard away from the blade. Tighten the clamp knob.

**WORK AREA**

- Make sure that the area is clear and safe and that the ground is level and solid. There must be no tripping hazards, and adequate lighting. There should be no one near to you or other distractions.
- Do not use this saw in the rain, or where it might get wet.
- Do not use this saw where there is a danger of explosion. It will ignite fumes from petrol or gas cylinders.
- Protect other people from the noise, dust and hazard. Warn others to keep away, put up signs, or barriers around your work area.

**OPERATORS**

- The following items of personal protective equipment (ppe) are the minimum which should be worn whenever you use this machine. Particular jobs or environments may require a higher level of protection.
- You must wear impact resistant goggles (EN166-B or BS2092 grade 1) whenever you use this saw bench.
- This equipment is likely to cause noise levels up to 100 dB(A) – wear appropriate ear muffs or plugs giving hearing protection for levels up to 100 dB(A).
- Dust from softwood, hardwood and composite materials can be hazardous to health wear an appropriate dustmask (with a minimum of EN149 FFP3(s) protection) when you are cutting any material that causes dust.
- Anybody who is working near to you will need to wear the same safety equipment. Make sure you have no loose or flapping clothing that could get caught in the saw.

**FLIPOVER SAW**

- Check your flip-over saw, including guards, switches and cables. If anything is found to be wrong, do not use the machine; contact the hire company.
- Check that the plug on your machine connects your saw properly. Do not try to force connections or improvise them.
- Machines with a cylindrical yellow industrial plug fitted are designed to run off a special 110v supply. The hire company will have provided a portable transformer if you need to power the machine from a normal mains 230v supply. If a portable transformer has been supplied, take care not to injure yourself when moving it about – it may be heavier than you think. Machines designed to run directly from 230v mains will have either a normal square pin plug fitted, or a three pin industrial plug around 26cm (10in) in length. When you are moving it, into be careful where you are moving it into position. You may need two people to do this.
- To fit the legs, place the machine on a bench or strong table. Pull the machine forward and fit each leg in turn, making sure that the clamping wing nut is done up securely.
- The saw is normally transported in saw bench mode. Read the instructions on changing from sawbench to mitre saw if you plan to set it up as a mitre saw.
- If you plan to cut sheets of wood or composite material that are larger than the sawtable, you will need an assistant. Use a suitable extension – contact the hire company if one has not been supplied.
- Check that any cable extensions, fences and cutting guides are properly fitted in their correct positions.

**FILPOVER SAW**

- Check your flip-over saw, including guards, switches and cables. If anything is found to be wrong, do not use the machine; contact the hire company.
- Check that the plug on your machine connects your saw properly. Do not try to force connections or improvise them.
- Machines with a cylindrical yellow industrial plug fitted are designed to run off a special 110v supply. The hire company will have provided a portable transformer if you need to power the machine from a normal mains 230v supply. If a portable transformer has been supplied, take care not to injure yourself when moving it about – it may be heavier than you think. Machines designed to run directly from 230v mains will have either a normal square pin plug fitted, or a three pin industrial plug around 26cm (10in) in length. When you are moving it, into be careful where you are moving it into position. You may need two people to do this.
- To fit the legs, place the machine on a bench or strong table. Pull the machine forward and fit each leg in turn, making sure that the clamping wing nut is done up securely.
- The saw is normally transported in saw bench mode. Read the instructions on changing from sawbench to mitre saw if you plan to set it up as a mitre saw.
- If you plan to cut sheets of wood or composite material that are larger than the sawtable, you will need an assistant. Use a suitable extension – contact the hire company if one has not been supplied.
- Check that any cable extensions, fences and cutting guides are properly fitted in their correct positions.

Telephone: 44 (0) 121 380 4600  
Fax: 44 (0) 121 383 4109  
Email: mail@hae.org.uk  
Website: www.hae.org.uk

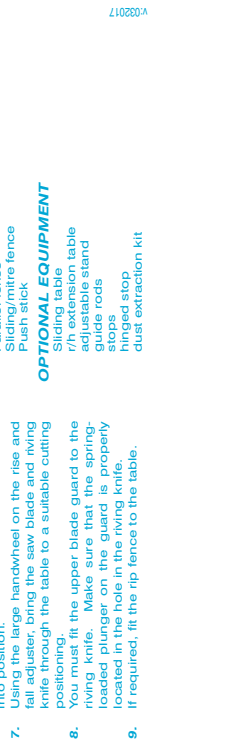
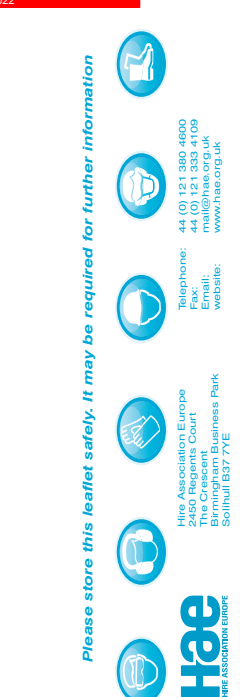
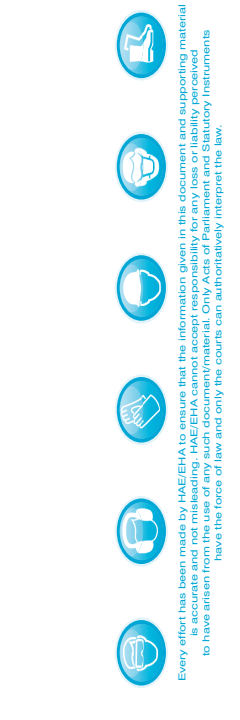
**HA/EH/EA**

Hire Association Europe  
2450 Regents Court  
The Crescent  
Salford Business Park  
Salford M5 7YE

**HA/EH/EA**

Hire Association Europe  
2450 Regents Court  
The Crescent  
Salford Business Park  
Salford M5 7YE

©Copyright Hire Association Europe April 2011



Useful Reference Points - www.hae.org.uk/businessguard