



# Scheppach DECO-XLS Electric Scroll Saw Instruction Manual

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**Scheppach DECO-XLS Electric Scroll Saw**



## Explanation of the symbols on the equipment

- Warning! Read the operating instructions to reduce the risk of injury!
- Wear safety goggles. Sparks generated during work or splinters, chips and dust emitted by the equipment can cause loss of sight.
- Wear ear-muffs. The impact of noise can cause damage to hearing.
- Wear a breathing mask. Dust which is injurious to health can be generated when working on wood and other materials. Never use the tool to work on any materials containing asbestos!
- Important. Risk of injury. Never reach into the running saw blade.
- Switch for changing between manual controls (M) and foot pedal controls (F)(see 10.4 and 10.5)

## Introduction

Manufacturer:  
Scheppach GmbH  
Günzburger Straße 69  
D-89335 Ichenhausen

### Dear Customer,

we hope your new tool brings you much enjoyment and success.

### Note:

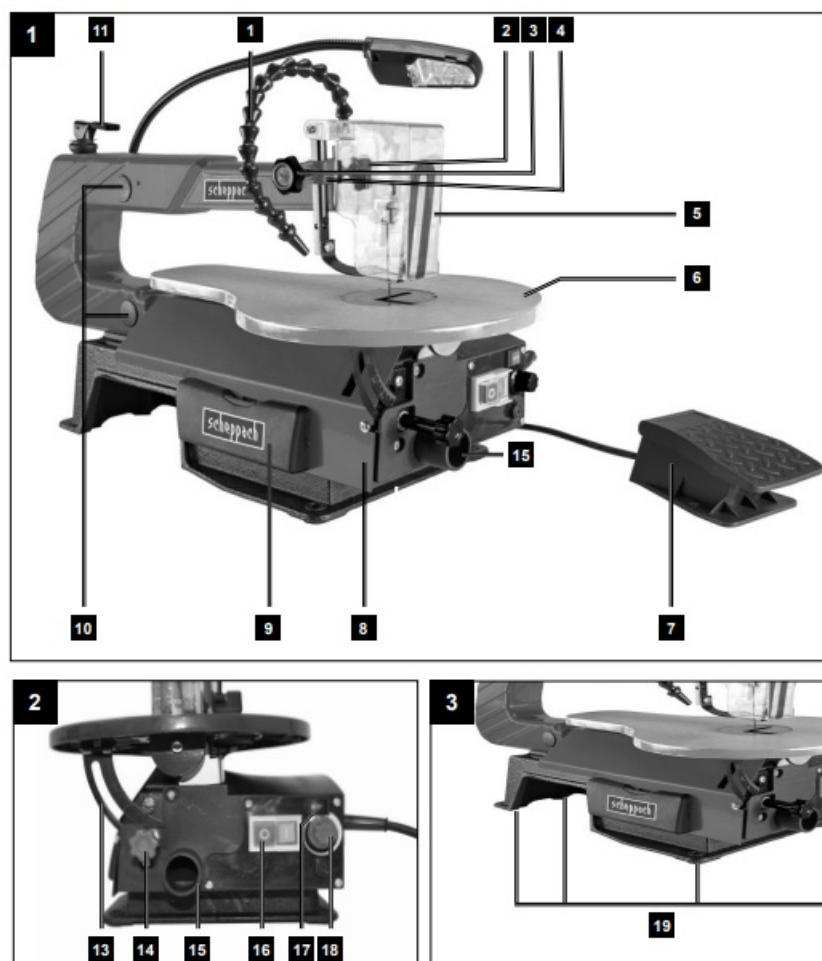
According to the applicable product liability laws, the manufacturer of the device does not assume liability for damages to the product or damages caused by the product that occurs due to:

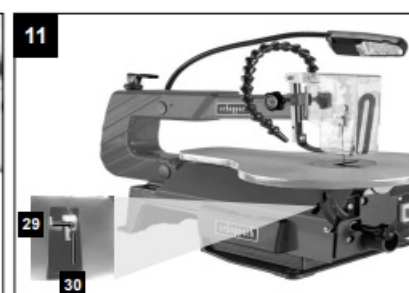
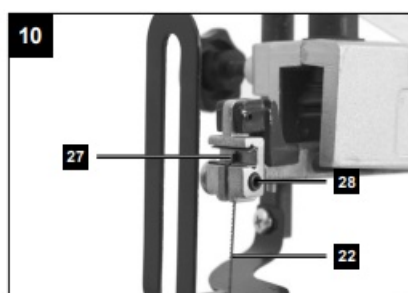
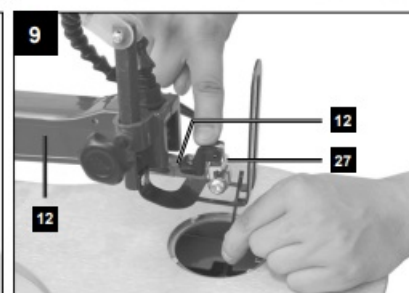
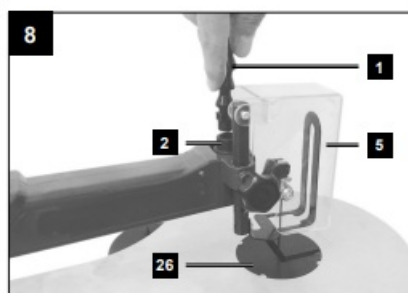
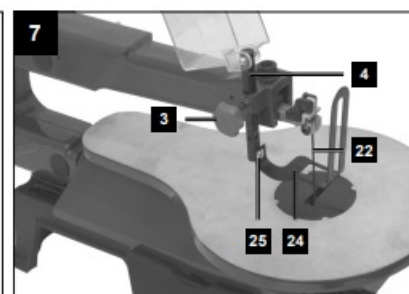
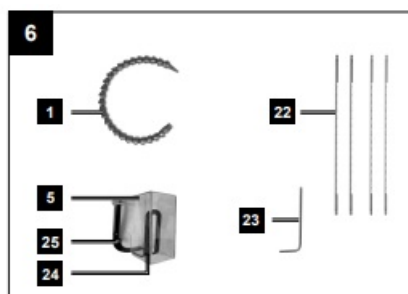
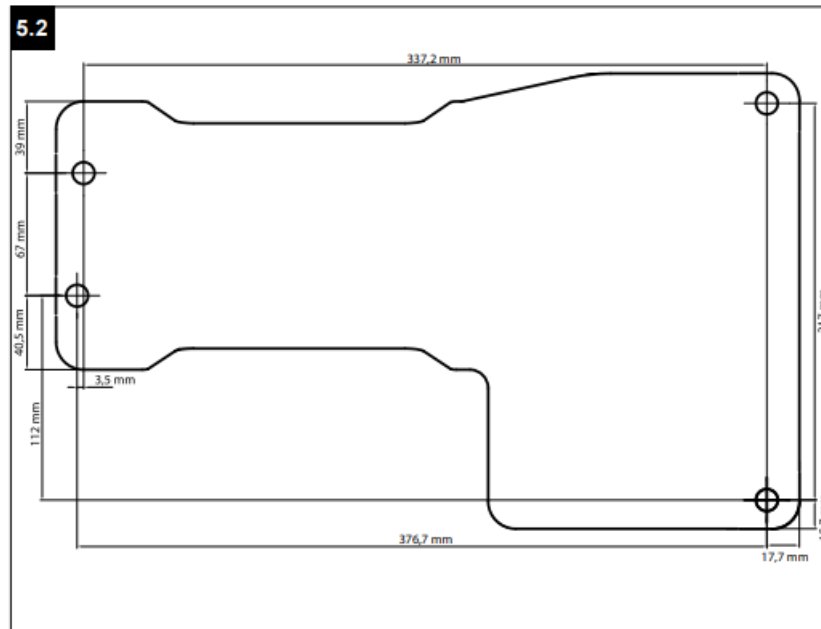
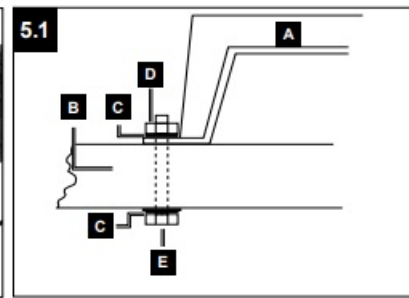
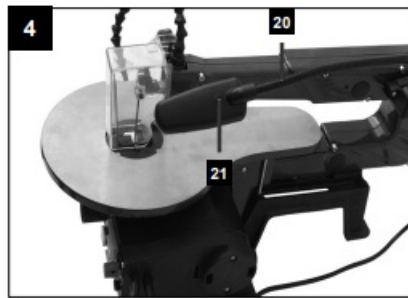
- Improper handling,
- Non-compliance of the operating instructions,
- Repairs by third parties, not by authorized service technicians,
- Installation and replacement of non-original spare parts,
- Application other than specified,
- A breakdown of the electrical system that occurs due to the non-compliance of the electric regulations and VDE regulations 0100, DIN 57113 / VDE0113.

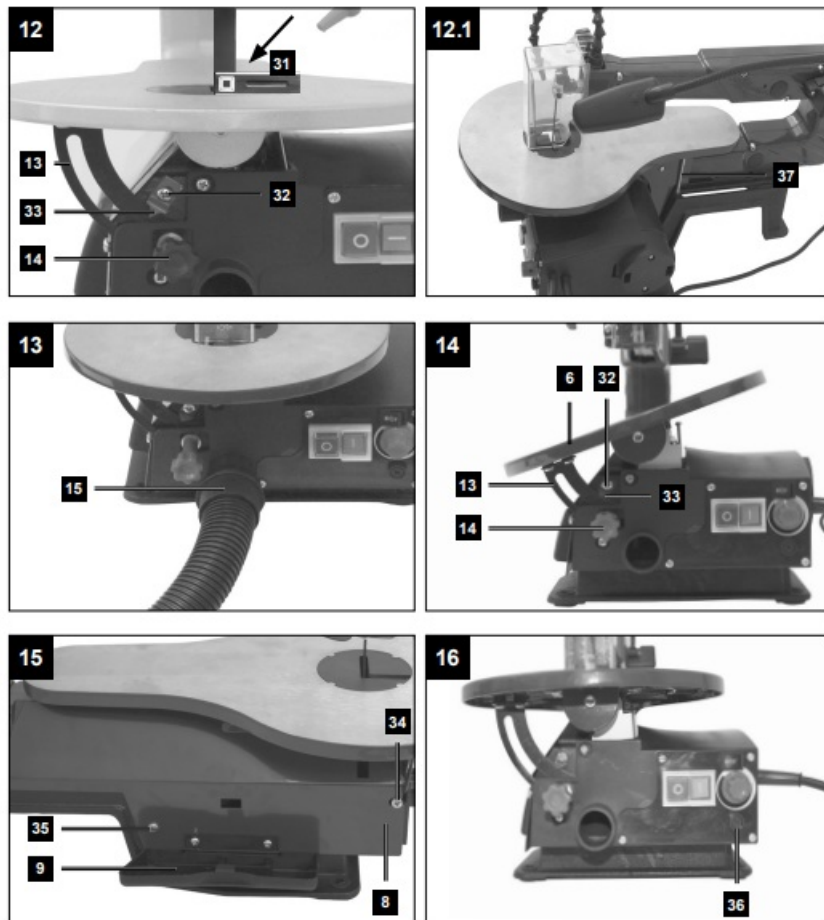
### We recommend:

- Read through the complete text in the operating in-structions before installing and commissioning the device.
- The operating instructions are intended to help the user to become familiar with the machine and take advantage of its application possibilities in accordance with the recommendations.
- The operating instructions contain important informa-tion on how to operate the machine safely, profession-ally and economically, how to avoid danger, costly re-pairs, reduce downtimes and how to increase reliability and service life of the machine.
- In addition to the safety regulations in the operating instructions, you have to meet the applicable regula-tions that apply for the operation of the machine in your country.
- Keep the operating instructions package with the machine at all times and store it in a plastic cover to protect it from dirt and moisture. Read the instruction manual each time before operating the machine and carefully follow its information.
- The machine can only be operated by persons who were instructed concerning the operation of the ma-chine and who are informed about the associated dan-gers. The minimum age requirement must be complied with.
- In addition to the safety instructions contained in this operating manual and the specific regulations of your country, the technical rules generally accepted for the operation of machines of the same type must be ob-served.
- We accept no liability for damage or accidents which arise due to non-observance of these instructions and the safety information.

## Device description (fig. 1-16)







1. Blow-off device
2. Mounting (Blow-off device)
3. Knurled screw
4. Holder (Saw blade guard)
5. Saw blade guard
6. Saw table
7. Foot pedal
8. Cover, left
9. Storage box
10. Bearings
11. Tightening lever
12. Arm
13. Graduated scale
14. Locking lever
15. Suction connection
16. ON/OFF switch
17. Operating mode selection switch
18. Speed regulator
19. Assembly points
20. Work lamp
21. ON / OFF switch work lamp
22. Saw blade
23. Allen key, 3 mm

24. Retaining device
25. Screw (retaining device)
26. Table insert
27. Saw blade holder, top
28. Upper saw blade clamping screw
29. Lower saw blade clamping screw
30. Saw blade holder, bottom
31. Angle (not included in the scope of delivery)
32. Screw (degree scale)
33. Pointer
34. Screw (left cover)
35. Screw (left cover)
36. Fine-wire fuse
37. Adjustment screw with locknut

## **Scope of delivery**

- Scroll saw
- Saw blade guard (5) with depressor (24)
- Blow-off device (1)
- Saw blade (22) for wood and plastics (4x)
- 1 bolt bag: 5 hexagonal bolts M8 x 50, 4 hexagonal nuts M8, 8 washers
- Allen key, 3 mm (23)
- Operating manual

## **Intended use**

- The fretsaw was designed to cut square-edged timber or other workpieces such as Plexiglas, glass fiber reinforced plastic, foam, rubber, leather, and cork. Do not use this saw to cut round materials. Round materials can easily become jammed.

Risk of injury! Parts can be catapulted!

- The equipment may only be used for the tasks it is de-signed to handle. Any other use is deemed to be a case of misuse. The user/operator and not the manufactur-er will be liable for any damage or injuries of any kind caused as a result of this.
- Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the equipment is used in commercial, trade or industrial businesses or for equiv-alent purposes.
  - The equipment is to be operated only with suitable saw blades.
  - To use the equipment properly you must also ob-serve the safety information, the assembly instruc-tions and the operating instructions to be found in this manual.
  - All persons who use and service the equipment have to be acquainted with these operating instruc-tions and must be informed about the equipment's potential hazards.
  - It is also imperative to observe the accident preven-tion regulations in force in your area.
  - The same applies for the general rules of health and safety at work.

- The manufacturer will not be liable for any changes made to the equipment nor for any damage resulting from such changes.

#### • **Residual risks**

Even if you use this electric power tool in accordance to instructions, certain residual risks cannot be eliminated. The following hazards may arise in connection with the equipment's construction and layout:

- Lung damage if no suitable protective dust mask is applied
- Damage to hearing if no suitable ear protection is applied
- Contact with the blade in the uncovered cutting zone
- Injuries (cuts) when changing the blade
- Crushed fingers
- Kickback
- Tilting of the workpiece due to inadequate support
- Touching the blade
- Catapulting of pieces of timber and workpieces

## **Safety information**

### **General safety information on electric power tools**

#### **CAUTION**

The following basic safety measures must be observed when using electric tools for protection against electric shock, and the risk of injury and fire. Read all these notices before using the electric tool and store the safety instructions well for later reference.

#### **Maintenance and service**

1. Regular cleaning, maintenance, and lubrication. Pull out the mains plug before making any settings, service or repair work.
2. Only have your device repaired by qualified specialists and only with original spare parts. This ensures that safety of the device is maintained.

#### **Safe work**

##### **1. Keep your work area tidy**

- Disorder in the work area can lead to accidents.

##### **2. Check the ambient conditions**

- Do not expose electric tools to rain.
- Never use electric power tools in damp or wet locations.
- Make sure that the work area is well-illuminated.
- Do not use electric tools where there is a risk of fire or explosion.

##### **3. Protect yourself against electric shocks**

Avoid physical contact with earthed parts (e.g. pipes, radiators, electric ranges, cooling devices).

##### **4. Keep other persons away**

Do not allow other persons, especially children, to touch the electric tool or the cable. Keep them away from your work area.

**5. Securely store unused electric tools**

Unused electric tools should be stored in a dry, elevated or closed location out of the reach of children.

**6. Do not overload your electric tool**

They will work better and more safely within their specified capacity range.

**7. Use the right tools**

- Do not use low-output electric tools for heavy work.
- Do not use the electric tool for purposes for which it is not intended. For example, do not use handheld circular saws for the cutting of branches or logs.

**8. Wear suitable clothing**

- Do not wear wide clothing or jewellery, which can become entangled in moving parts.
- When working outdoors, anti-slip footwear is recommended.
- Wear a hair net if you have long hair.

**9. Use personal safety equipment**

- Wear safety goggles.
- Use a dust mask when working on dusty jobs.

**10. Connect up the dust extraction system**

If connections for dust extraction and a collecting device are present, make sure that they are connected and used properly.

**11. Do not use the cable for purposes for which it is not intended**

Do not use the cable to pull the plug out of the socket. Protect the cable from heat, oil and sharp edges.

**12. Secure the workpiece**

Use the clamping devices or a vice to hold the workpiece in place. In this manner, it is held more securely than with your hand.

**13. Avoid abnormal working postures**

Make sure you stand squarely and keep your balance at all times.

**14. Take care of your tools**

- Keep cutting tools sharp and clean in order to be able to work better and more safely.
- Follow the instructions for lubrication and for tool replacement.
- Check the connection cable of the electric tool regularly and have it replaced by a recognised specialist when damaged.
- Check the extension cable regularly and re-place it if damaged.
- Keep handles dry and free from oil and grease.

**15. Pull the connector out of the socket**

When the electric tool is not in use or prior to maintenance and when replacing tools such as saw blades, bits, milling heads.

**16. Always remove keys and wrenches after use**

Always check that keys, wrenches and other adjusting tools have been removed before you switch on the equipment.

**17. Avoid unintentional starting**

Make sure that the switch is turned off when connecting the tool to the power supply.

**18. Use extension cables for outdoors**

Check that it is approved for outdoor duty and is marked accordingly.

**19. Be alert at all times**



Watch what you are doing. Use common sense when working. Never use the tool when you are distracted.

## **20. Check the electric tool for potential damage**

- Protective devices or other parts with minor damage must be carefully inspected to ensure that they function correctly and as intended prior to continued use of the electric tool.
- Check whether the moving parts function faultlessly and do not jam or whether parts are damaged. All parts must be correctly mounted and all conditions must be fulfilled to ensure fault-free operation of the electric tool.
- Damaged protective devices and parts must be properly repaired or replaced by a recognised specialist workshop, insofar as nothing different is specified in the user manual.
- Damaged switches have to be replaced by a customer service workshop.
- Do not use any electric tool on which the switch cannot be switched on and off.

## **21. ATTENTION**

The use of other insertion tools and other accessories can entail a danger of injury.

## **22. Have your electric tool repaired by a qualified electrician**

This electric tool conforms to the applicable safety regulations. Repairs may only be performed by an electrician using original spare parts. Otherwise accidents can occur.

### **WARNING**

This electric tool generates an electromagnetic field during operation. This field can impair active or passive medical implants under certain conditions. In order to prevent the risk of serious or deadly injuries, we recommend that persons with medical implants consult with their physician and the manufacturer of the medical implant prior to operating the electric tool.

### **Additional safety instructions**

- Switch the machine off immediately and pull the power plug in an emergency.
- Follow all these safety instructions before and while working with the saw.
- Do not use this saw to cut fire wood.
- Do not use this saw to cross-cut roundwood without a suitable holding device.
- The machine is equipped with a safety switch to prevent it from being switched on again accidentally after a power failure.
- If you need to use an extension cable, make sure its conductor cross-section is big enough for the saw's power consumption. Minimum cross-section 1,5 mm<sup>2</sup>.
- If you use a cable reel, the complete cable must be pulled off the reel.
- Persons working on the machine should not be distracted.
- After you have switched off the motor, never slow down the saw blade by applying pressure to its side.
- Only fit blades which are well sharpened and have no cracks or deformations.
- Faulty saw blades must be replaced immediately.
- Never use saw blades which do not comply with the data specified in this manual.
- It is imperative to make sure that all devices which cover the saw blade are in good working order.
- Never dismantle the machine's safety devices or render them inoperative.
- Damaged or faulty safety devices have to be replaced immediately.
- Never cut workpieces which are too small to hold securely in your hand.
- Never load the machine so much that it cuts out.

- Always press the workpiece firmly against the saw table.
- Never remove loose splinters, chips or jammed pieces of wood when the saw blade is running.
- Switch the machine off to rectify faults at the blocked plug-in tool. – Pull the power plug- Remove the blockage. Important! Risk of injury from saw blade! Wear gloves. Carry out a trial run without a work-piece. Ensure that no unusual noise or vibration occurs. Should this be the case, switch the unit off and contact the manufacturer.
- Carry out retooling work, adjustments, measurements and cleaning jobs only when the motor is switched off. – Pull the power plug. –
- Before switching on, make sure that all keys and wrenches have been removed from the tool.
- Switch off the motor and pull the power plug before you leave the workplace.
- Electrical installation work, repairs and maintenance may only be carried out by persons who have been specially trained.
- Refit all guards and safety devices immediately after you have completed any repairs or maintenance work.
- Be sure to observe the safety information and operating and maintenance instructions issued by the manufacturer, as well as the dimensions listed in the Technical Data.
- It is imperative to observe the accident prevention regulations in force in your area as well as all other generally recognized rules of safety.
- Note the information published by your professional associations (VBG 7).
- The saw is intended to be used indoors only.
- Workpieces that are smaller than the saw blade guard can cause injuries to the hands or fingers. Use suitable aids!
- Avoid cramped hand positions when guiding in the workpiece and avoid positions in which slipping could lead to your hand making direct contact with the saw blade.
- Always fit the saw blade with the teeth facing in the direction of the sawing table.
- Always set the correct blade tension to prevent the saw blades from jerking.
- Be especially careful when cutting material with irregular cut profiles.
- Exercise particular caution when cutting round objects such as rods and pipes. These can roll down into the saw blade and cause the teeth to catch. Use a wedge to brace such workpieces.
- The teeth can become caught in the kerf when the workpiece is pulled back, especially if sawings have filled in (blocked) the kerf. In this case, you should switch the saw off, pull the power plug, clear the kerf with a wedge, and remove the workpiece.
- Never leave the work area without having already switched the saw off. Wait until the saw stops moving completely.
- Do not position, join, or construct any parts on the work table while the saw is running.
- Only switch the saw on after you have removed any remaining material and tools from the work table. Leave only the workpiece to be machined and any aids (e.g. wedges) on the work table.
- Always wear safety goggles!
- Keep your fingers at a safe distance from the saw blade.
- Carefully guide the workpiece and keep it steady at all times.
- Never leave the work area without having already switched the saw off.
- Do not let your familiarity with the saw allow you to be careless. Carelessness can lead to severe injuries within a fraction of a second.
- Working position is always laterally of the saw blade.

**Do not lose this safety information.**

## Technical data

Mains voltage	220-240 V~/50 Hz
Power input	80 Watt (S1*)
	120 Watt (S6 30%**)
Stroke rate	500-1700 min <sup>-1</sup>
Stroke	12 mm
Base area	630 x 295 mm
Tilting range of table	from 0° to 45° to the left
Table size	415 x 255 mm
Length of saw blade approx.	132 mm
Reach	406 mm
Max. cutting height at 0°	50 mm
Max. cutting height at 45°	22 mm
Weight	13.3 kg

- **\*Operating mode S1:**

Continuous operation at constant load

- **\*\*Operating mode S6 30%:**

Continuous operation with idling (cycle time 10 min-utes). To ensure that the motor does not become excessively hot, it may only be operated for 30% of the cycle at the specified rating and must then be allowed to idle for 70% of the cycle.

- Noise emission values

### Sound

Sound values were measured in accordance with EN 61029.

- **Wear ear-muffs.**

The impact of noise can cause damage to hearing.

- **Sound pressure level L:** 66,9 dB(A)
- **Uncertainty K:** 3 dB(A)
- **Sound power level L:** 79,9 dB(A)
- **Uncertainty K:** 3 dB(A)
- The quoted values are emission values and not necessarily reliable workplace values. Although there is a correlation between emission and imission levels it is impossible to draw any certain conclusions as to the need for additional precautions.
- Factors with a potential influence on the actual immis-sion level at the workplace include the duration of impact, the type of room, and other sources of noise etc., e. g. the number of machines and other neighbouring operations.
- Reliable workplace values may also vary from coun-try to country. With this information the user should at least be able to make a better assessment of the dan-gers and risks involved.
- Limit the noise level to a minimum!

- Use only equipment that is in perfect condition.
- Maintain and clean the equipment regularly.
- Adopt your way of working to the equipment.
- Do not overload the equipment.
- Have the equipment checked if necessary.
- Switch off the equipment when not in use.

- **Suitable saw blades**

All industry-standard saw blades with a minimum length of 127 mm with and without a pin may be used.

## **Before starting the machine**

- **Unpacking**

- Open the packaging and remove the device care-fully.
- Remove the packaging material as well as the pack-aging and transport bracing (if available).
- Check that the delivery is complete.
- Check the device and accessory parts for transport damage.
- If possible, store the packaging until the warranty period has expired.

### **ATTENTION**

The device and packaging materials are not toys! Children must not be allowed to play with plastic bags, film and small parts! There is a risk of swal-lowing and suffocation!

- **General notes**

- All covers and safety devices have to be properly fitted before the equipment is switched on.
- It must be possible for the blade to run freely.
- When working with wood that has been processed before, watch out for foreign bodies such as nails or screws, etc.
- Before you actuate the On/Off switch, make sure that the saw blade is correctly fitted and that the equipment's moving parts run smoothly.
- Check that the voltage on the rating plate is the same as your supply voltage before you connect the equipment to the power supply.
- Only ever connect the equipment to a properly in-stalled shock-proof socket which is protected by a 10A fuse as a minimum.

- **Installing the fretsaw on a workbench**

Required for installing:

Included in the scope of delivery:

- M8 hexagonal bolt (4x)
- M8 hexagonal nut (4x)
- Washer Ø 9 mm (8x)

- The length of the screws to be used varies, depending on the thickness of the table top.

### **WARNING**

Danger of injury! Disconnect the mains plug on the scroll saw before all assembly work.

- The length of the screws to be used varies, de-pending on the thickness of the table top.
- Mark the drill holes (see fig. 5.2).
- Drill 4 holes with a diameter of 8 mm into the work table.

- Screw the scroll saw onto the workbench with the hexagonal bolt (E) through the assembly points (fig. 3 pos. 19) in the following sequence (fig. 5.1):
  - Fretsaw
  - Work table
  - Washer
  - Hexagonal nut
- Tighten the hexagonal nut (D) first.

## Assembly

### WARNING

Danger of injury! Disconnect the mains plug on the scroll saw before all assembly work.

- Fitting / Replacing the saw blade (fig. 1, 8-11)

#### IMPORTANT

To avoid injuries attributed to inadvertent startup: Before removing or replacing the saw blade, always press “0” and remove the mains plug from the socket.

- Removing the saw blade without pins (option-al)
  - To remove the saw blade (22) , lift the table insert (26) upwards.
  - First, release the tension by flipping the tension lever (11) upwards. Continue reducing the tension by turning clockwise as required.
  - Press the support (12) down lightly (see fig. 9).
  - Then loosen the upper saw blade clamping lever (28), followed by the lower saw blade clamping lever (29) using the Allen key (23).

- Inserting the saw blade without pins (optional)

The teeth of the saw blade must always point downwards.

- First, secure the saw blade (22) in the lower saw blade mounting (30). To secure the saw blade (22), tighten the lower saw blade clamping screw (29) using the Allen key (23).
- Press the support (12) down lightly. Fasten the other end of the saw blade (22) in the top saw blade holder (27) (see fig. 9).
- Fix the saw blade (22) with the upper blade clamping screw (28) (see fig. 10).
- Tighten the saw blade (22) with the clamping lever (11), by pressing it down again. Check the tension of the saw blade (22). If the tension is insufficient, it can be increased by turning the lever clockwise. First release the clamping lever (11).
- Put the table insert (26) back.
- Removing the saw blade with pins
  - To remove the saw blade (22), lift the table insert (26) upwards.
  - First, release the tension by flipping the tension lever (11) upwards. Continue reducing the tension by turning clockwise as required.
  - Press the support (12) down lightly (see fig. 9).
  - Pull the saw blade from the upper and lower saw blade mounting (27/30).

- **Inserting the saw blade with pins**

The teeth of the saw blade must always point down-wards.

- Insert one end of the saw blade (22) through the drilled hole in the table. Insert the pins of the saw blade

(22) into the corresponding recesses of the top and bottom saw blade holder (27/30).

- First insert the saw blade (22), in the lower blade holder (30).
- Press the support (12) down lightly (see fig. 9).
- Check the position of the saw blade pins in the saw blade mountings (27/30).
- Tighten the saw blade (22) with the clamping lever (11), by pressing it down again. Check the tension of the saw blade (22). If the tension is insufficient, it can be increased by turning the lever (11) clock-wise.

- Put the table insert (26) back.

#### NOTE

The left side features a storage box (9), which enables you to stow replacement saw blades and the hexagon wrench.

- Checking the saw blade tension

#### WARNING

Check the blade tension regularly and after insert-ing a saw blade. Tension the saw blade after assembly by pressing down on the tension lever (11). If the blade tension is too low or too high, proceed as follows:

- Fold the tension lever (11) upwards.
- Turn the tension lever (11) clockwise to increase the tension and anti-clockwise to reduce it.
- Press the tension lever down again to engage the setting.

If the tension is correct, the saw blade should produce a light tone when it is plucked, like a string.

- Calibrating the angle scale (fig. 12, 12.1)

#### IMPORTANT

Check the adjustment of the angular scale before you start working with the unit.

- Loosen the locknut of the adjustment screw (37).
- To set the saw table, use a 90° bracket (31, not in the scope of delivery). Place this against the saw table and the saw blade (fig. 12).
- Adjust the adjustment screw (37) until the angle between the saw blade (22) and the saw table (6) is 90°.
- Tighten the locknut of the adjustment screw (37) again.
- Loosen the screw (32) and turn the pointer (33) to the 0° marking.
- Make a test cut. Check the angle on the workpiece with a protractor. If necessary, readjust the pointer (33).

- Installing the blow-off device (fig. 8)

- Ensure that the saw blade guard (5) folded down.
- Screw the blow-off device (1) clockwise onto the holder (2) as described in fig. 8.

- Installing the depressor (fig. 6, 7)

#### NOTE:

Before assembling the depressor (24), the saw blade pre-installed at the factory (22) must be removed .

- Remove the saw blade (22) as described in 8.1.3.
- Remove the depressor (24) from the saw blade guard (5) by loosening the screw (25) completely (see fig. 6).
- Insert the holder (4) into the opening (see fig. 7).
- Fasten the holder (4) with the knurled screw (3).
- Install the depressor (24). Insert the screw (25) into the holder (4) and fasten it.
- Insert the saw blade (22) again as described in 8.1.3.
- Ensure that the depressor (24) does not contact the saw blade (22).
  - The depressor (24) must always be adjusted accord-ing to the workpiece height. However, the

workpiece should not be clamped, but should rather be able to move freely.

- The depressor (24) is used to lock the workpiece so that it cannot swing upwards, which would destroy the saw blade (22).

- Chip extraction (fig. 13)

**ATTENTION:** Only operate the device with an extraction system.

Connect a suitable chip extraction system (not included in the scope of delivery) to the suction connection (15) (see fig. 13, sample figure).

**ATTENTION:** Check and clean the suction channels at regular intervals.

## Operation

- **General information**

- The saw does not cut wood automatically. Rather, the operator must push and guide the wood toward the moving saw blade.
- The teeth only cut the wood on the downstroke.
- The wood must be slowly pushed and guided toward the saw blade, since the teeth of the blade are very small.
- Those who want to use the saw must go through the process of learning how to do so. During this time, a few blades will invariably break.
- When cutting thicker wood, special attention must be paid not to bend or twist the saw blade.
- Handling the saw blade properly increases its service life.

- On/off switch (16)

- Switching on: Press the “I” button.
- Switching off: Press the “O” button.

**ATTENTION**

The machine is equipped with a safety switch against reactivation if the voltage drops.

If the scroll saw is switched on and the power supply in the mains is interrupted, the scroll saw remains switched off, even if the power supply is re-established. Press the “I” button to switch it on.

- Work lamp operation (fig. 4)

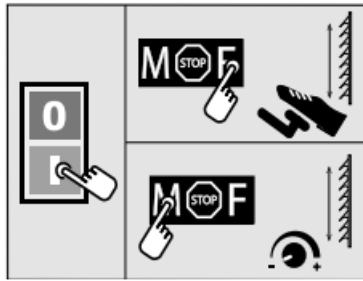
- Switch the machine on as described in 9.2.
- The work lamp (20) may not be switched on/and off with the work lamp on/off switch (21).

- Stroke rate controller (fig. 2)

The stroke rate controller (18) allows you to set the stroke rate according to the material to be cut. In case of soft material, we recommend high stroke rates, while stroke rates should be kept low for hard material. Turn the stroke rate controller (18) clockwise to increase the stroke rate. Turning anti-clockwise lowers the stroke rate.

- Operating modes (fig. 1, 2)

The scroll saw is able to be operated manually or via the foot pedal.



- Manual controls
  - Ensure that the machine is switched on.
  - Set the operating mode selection switch (17) to the “M” position to operate the saw manually.
  - Use the stroke rate controller (18) to set the appropriate stroke rate for the material (see 9.4).
- Foot pedal controls
  - Ensure that the machine is switched on.
  - Set the operating mode selection switch (17) to the “F” position to operate the saw via the foot pedal (7).
  - The stroke rate may now be regulated via the foot pedal position. If you depress the foot pedal (7) completely, you will reach the maximum stroke rate.

### CAUTION

When changing from foot pedal controls to manual controls, the machine starts automatically. The stroke rate corresponds with the stroke rate set on the stroke rate controller (18).

### • Making inside cuts

This scroll saw allows inside cuts in workpieces without damaging the outside or the circumference of the workpiece.

- Remove the saw blade (22) as described in 9.1.3.
  - Drill a hole into the workpiece.
  - Place the workpiece with the drilled hole over the opening of the table inlay (26) on the saw table (6).
  - Install the saw blade (22) through the drilled hole in the workpiece and set the blade tension.
  - After completing the inside cut, remove the saw blade (22) from the blade holders (as described in 9.1.3).
  - Remove the workpiece from the table.
- Mitre cutting (fig. 14)

### WARNING

Be especially careful when making mitre cuts. The angle of the saw table makes it easier for the workpiece to slip. There is a danger of injury.

- To carry out mitre cuts adjust the distance of the blade guard for worktable accordingly.
- Swivel the saw table by loosening the locking lever (14) and tilting the table (6) to the desired position.
- Tighten the locking lever (14).

## Electrical connection

- The electrical motor installed is connected and ready for operation. The connection complies with the applicable VDE and DIN provisions.
- The customer's mains connection as well as the extension cable used must also comply with these regulations.
- Damaged electrical connection cable
 

The insulation on electrical connection cables is often damaged.
- This may have the following causes:



- Passage points, where connection cables are passed through windows or doors.
- Kinks where the connection cable has been improperly fastened or routed.
- Places where the connection cables have been cut due to being driven over.
- Insulation damage due to being ripped out of the wall outlet.
- Cracks due to the insulation ageing.
- Such damaged electrical connection cables must not be used and are life-threatening due to the insulation damage.
- Check the electrical connection cables for damage regularly. Make sure that the connection cable does not hang on the power network during the inspection. Electrical connection cables must comply with the applicable VDE and DIN provisions.
- Only use connection cables with the marking H 05 VV-F.
- The printing of the type designation on the connection cable is mandatory.
- **AC motor**  
The mains voltage must be 220-240 V~. Extension cables up to 25 m long must have a cross-section of 1.5 mm<sup>2</sup>. Connections and repairs of electrical equipment may only be carried out by an electrician. Please provide the following information in the event of any enquiries:
  - Type of current for the motor
  - Machine data – type plate

## Transport

- Transport the electric tool by lifting it on the recesses provided for this on the frame and the engine cover.
- Never use the protective devices for handling or transport.
- Make sure that the exposed part of the saw blade is covered during transport, e. g. by the protective device.

## Cleaning, maintenance, storage and ordering of spare parts

### WARNING

Always switch the machine off and remove the mains plug prior to all maintenance and cleaning work.

- Cleaning  
Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. We recommend that you clean the equipment immediately after you use it.
- Exterior cleaning
  - Clean the equipment regularly with a damp cloth and some soft soap.
  - Do not use cleaning agents or solvents; these may be aggressive to the plastic parts in the equipment.
  - Ensure that no water can get into the interior of the equipment.
- Interior cleaning (fig. 15)
  - Open the storage box (9).
  - Remove the screw (35).
  - Loosen the screw (34).
  - Remove the cover (8).
  - Blow out the device interior with low-pressure compressed air.
  - Attach the cover again (8).

- Fasten the screw (34).
- Insert the screw (35) again and tighten it.
- Close the storage box (9).

## • Servicing

Bearings (fig. 1/pos. 10)

Lubricate the bearing points (10) of the deflection rollers after approx. 25-30 operating hours at the latest using high-quality machine grease.

## • Carbon brushes

In case of excessive sparking, have the carbon brushes checked only by a qualified electrician.

### **IMPORTANT**

The carbon brushes should not be replaced by anyone but a qualified electrician.

## • Mains cable

If the mains cable is pulled out, cut, or damaged in some other form, then it should be replaced immediately.

## • Replacing the fine-wire fuse (fig. 16)

If the fine-wire fuse (36) is defective, it must be replaced with a fine-wire fuse of the same type.

### **WARNING**

Do not bypass the fine-wire fuse (36)! Do not use fuses of any other type! This can lead to damage to the device.

## • Service information

Please note that the following parts of this product are subject to normal or natural wear and that the following parts are therefore also required for use as consumables.

Wear parts\*: Carbon brushes, saw blade, table inlay \* Not necessarily included in the scope of delivery!

Spare parts and accessories can be obtained from our service centre. To do this, scan the QR code on the cover page.

## • Ordering replacement parts

The following information must be provided on all orders for spare parts:

- Device type
- Device article number

## **Storage**

Store the equipment and accessories out of children's reach in a dark and dry place at above freezing temperature. The ideal storage temperature is between 5 and 30 °C. Store the electric tool in its original packaging.

## **Disposal and recycling**

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled.

The equipment and its accessories are made of various types of material, such as metal and plastic. Defective components must be disposed of as special waste. Ask your dealer or your local council.

### **Old devices must not be disposed of with house-hold waste!**

This symbol indicates that this product must not be disposed of together with domestic waste in compliance with the Directive

(2012/19/EU) pertaining to waste electrical and electronic equipment (WEEE). This product must be disposed of at a designated collection point. This can occur, for example, by handing it in at an authorised collecting point for the recycling of waste electrical and electronic equipment. Improper handling of waste equipment may have

negative consequences for the environment and human health due to potentially hazardous substances that are often contained in electrical and electronic equipment. By properly disposing of this product, you are also contributing to the effective use of natural resources. You can obtain information on collection points for waste equipment from your municipal administration, public waste disposal authority, an authorised body for the disposal of waste electrical and electronic equipment or your waste disposal company.


## Troubleshooting

### WARNING

Always switch the machine off and remove the mains plug prior to all maintenance and cleaning work.

Fault	Possible cause	Remedy
Saw blade without pins loosens after switching off the engine	Saw blade clamping screw (28/29) not tightened enough	Tighten the saw blade clamping screw (28/29)
Motor does not start	Failure mains fuse	Check the mains fuse.
	Extension cable defect	Change extension cable.
	Fine-wire fuse defective	Check the fine-wire fuse and, if necessary, replace it with a fine-wire fuse of the same type.
	Connections on the motor or switch defect	Have it checked by an electrician.
	Motor or switch defect	Have it checked by an electrician.
Saw blades brake	Tension set incorrectly	Set correct tension
	Load too high	Feed workpiece more slowly
	Incorrect saw blade type	Use correct saw blades
	Workpiece not fed straightly	Avoid lateral pressure
Saw blade oscillates, not aligned straightly.	Holders not aligned	Open the screws that fasten the holders. Bring the holders into the vertical position and tighten the screws again.

## Documents / Resources

	<a href="#">Scheppach DECO-XLS Electric Scroll Saw</a> [pdf] Instruction Manual DECO-XLS Electric Scroll Saw, Electric Scroll Saw, Scroll Saw
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## References

- [🔗 scheppach | scheppach](#)
- [🔗 Kontakt & Service | scheppach | scheppach](#)

Manuals+.