KERNLOCHBOHRER®
PROFESSIONAL POWER TOOLS

Operating instructions

Floor saw
SuperCut 500X

BA-03-000002-02-EN

Scope

These operating instructions apply only to the machine specified on the cover page.

Check the machine model against the type plate on the machine.

Original manual / Translation of the original manual

The English copy of this operating manual is the original manual in accordance with the EU Machinery Directive.

Copies in other languages are translations of the original manual.

Kernlochbohrer GmbH

Geigersbühlweg 52

72663 Großbettlingen

Germany

Telephone: +49 (0)70 22 / 50 34 900

Email: info@kernlochbohrer.com

Website: http://www.kernlochbohrer.com

Table of contents

1 Information and support

1.1 Thanks to the buyer

Thank you for purchasing a machine from Kernlochbohrer GmbH.

Please read the operating instructions carefully and observe the safety instructions. By following the operating instructions, you will be able to take full advantage of the outstanding performance of our product.

If you have any questions about operating the machine, please contact Kernlochbohrer GmbH directly. We are available to answer your questions at any time.

1.2 Use of the operating instructions

The machine is intended for professional use and may only be operated by trained personnel. Strictly adhere to the instructions in the operating instructions.

Our company accepts no responsibility for any injuries or damage to the machine resulting from failure to observe the operating instructions.

The operating instructions are essential for the use of the machine. The operating instructions must therefore always be kept near the machine and be accessible to the designated personnel at all times.

In addition to the operating instructions, the generally applicable and local regulations on accident prevention and environmental protection must be provided; compliance with these regulations must be checked regularly.

1.3 Modifications

Kernlochbohrer GmbH reserves the right to change the design and appearance of its products and their operating instructions. Future changes to the operating instructions will be made without prior notice.

1.4 Explanation of symbols

This symbol indicates hazards that you must be aware of when performing the following tasks in order to avoid injury to yourself, other persons or damage to property.

📖 Cross-reference to another section in the operating instructions.

☑ Prerequisite for an action.

☒ Action to be performed.

↳ Behaviour of the machine that can be expected as a result of the preceding action.

ⓘ Background information or reference to special features.

1.5 Warranty

In accordance with the general terms and conditions of delivery of Kernlochbohrer GmbH, a warranty period of 12 months applies to material defects in business transactions with companies (proof by invoice or delivery note).

Damage attributable to natural wear and tear, overloading or improper handling is excluded from this warranty.

Damage caused by material or manufacturing defects will be repaired or replaced free of charge. Complaints can only be accepted if the device is sent to Kernlochbohrer GmbH without being dismantled.

Wear parts are excluded from the warranty.

1.6 Environmental protection

1.6.1 Disposal of the product

Follow national regulations on environmentally friendly disposal and recycling of end-of-life machines and accessories.

1.6.2 Disposal of packaging

The packaging is made from recyclable materials. It must be disposed of in accordance with your local regulations.

1.7 Service

Precise information and specific questions enable faults to be rectified quickly, facilitate the ordering of spare parts and prevent incorrect deliveries.

Before contacting the service department, please collect the following information.

The model name must be provided for all questions and orders. This information can be found on the machine's type plate.

In the event of malfunctions, further information is required: type and extent of the malfunction, accompanying circumstances, suspected cause.

For spare parts orders, the following is required: quantity and item number in the exploded view drawing in this operating manual.

ⓘ You are welcome to send us photos for spare parts orders or videos for malfunctions.

Contact details:

Kernlochbohrer GmbH
Geigersbühlweg 52
72663 Großbettlingen
Germany
Telephone: +49 (0)70 22 / 50 34 900
Email:info@kernlochbohrer.com
Website: http://www.kernlochbohrer.com

2 Security

2.1 General

The machine has been constructed in accordance with the state of the art and in compliance with applicable laws, standards and safety regulations. Nevertheless, use of the machine may pose a risk to the user or third parties and may result in damage to the machine and other property.

The machine may only be used in perfect condition, for its intended purpose and in a safe and hazard-aware manner.

In the event of damage or malfunctions, switch off the machine immediately, secure it against being switched on again and repair it or arrange for it to be repaired.

2.2 Intended use

The machine is designed exclusively for wet cutting grooves in floor surfaces.

By using a suitable cutting disc, cuts can be made in concrete (including reinforced concrete) or asphalt, for example.

The machine may only be used within the limits of its technical data. This information, for example performance data and environmental conditions, can be found in the "Technical Data" chapter.

Any other use or use beyond these limits is considered improper – risk of accident! Kernlochbohrer GmbH is not liable for any damage resulting from this. The risk is borne solely by the operator.

Proper use also includes observing the operating instructions and adhering to the prescribed maintenance intervals.

2.3 Safety regulations for the operator

2.3.1 Organisational safety measures

The operating instructions must be available to the operating and maintenance personnel at all times. They must therefore always be kept at the machine's place of use.

The regulations on accident prevention and environmental protection applicable at the place of use of the machine must also be available. The operator of the machine must regularly check compliance with these regulations.

The use of noise-emitting machines may be restricted by national or local regulations.

The machine must not be operated in potentially explosive areas or in the vicinity of flammable liquids or gases or combustible dust.

All safety and hazard warnings on the machine must be legible and must not be removed.

The protective equipment required for the operation of the machine must be provided by the operator. The operator must ensure that the protective equipment is used properly by the personnel.

Operating and auxiliary materials, such as lubricants or cleaning agents, must be selected in such a way that the limit values for hazardous substances applicable at the place of use are complied with. The regulations for environmental protection and disposal applicable at the place of use must be observed.

2.3.2 Modifications to the machine

The operator may not make any modifications to the machine without the written approval of Kernlochbohrer GmbH. If the operator makes modifications without approval, the warranty shall be void. Kernlochbohrer GmbH shall not be liable for damage caused by unauthorised modifications.

2.3.3 Spare parts

Spare parts must comply with the specifications defined by Kernlochbohrer GmbH. This is always guaranteed for spare parts supplied by Kernlochbohrer GmbH. Kernlochbohrer GmbH is not liable for damage caused by the use of unsuitable spare parts.

2.3.4 Personnel

All persons assigned to the commissioning, operation and maintenance of the machine must have read and understood the operating instructions beforehand.

The machine may only be operated by persons who have been adequately instructed beforehand.

Maintenance of the machine may only be carried out by persons who have completed specialist training appropriate to this activity.

Minors are not permitted to work with the machine. Young people over the age of 16 who are being trained under supervision are exempt from this rule.

2.4 Safety regulations for personnel

2.4.1 Safe behaviour

All persons responsible for commissioning, operating and maintaining the machine must have read and understood the operating instructions beforehand.

The machine may only be operated by persons who have been adequately instructed beforehand.

Maintenance of the machine may only be carried out by persons who have completed specialist training appropriate to this activity.

Minors are not permitted to operate the machine. Young people over the age of 16 who are being trained under supervision are exempt from this rule.

Any working method on and with the machine that compromises safety must be avoided.

All safety and hazard warnings on the machine must be legible and must not be removed.

2.4.2 Safe operation

Operating the machine requires the full concentration and performance of the personnel. Persons who are overtired, unfocused or under the influence of alcohol, drugs or medication must not work on or with the machine.

Persons who are not directly involved in operating the machine must maintain a sufficient safety distance from the machine.

Check that the machine is in perfect condition before use. If the machine is damaged, it must not be used. In this case, secure the machine against use and repair it or arrange for it to be repaired.

To avoid compromising the functionality and safety of the machine, covers or other components of the machine must not be removed.

Before starting or running the machine, ensure that no persons are endangered by the starting machine.

Controls must not be operated carelessly or deliberately. This could result in personal injury or damage to the machine.

When using the machine, personnel must ensure that they are standing securely and maintaining an ergonomic posture. The machine must always be operated with both hands.

The machine must not be left unattended during use.

Avoid stopping the machine during operation under heavy load. This could lead to damage due to overheating.

Air intake and exhaust openings must not be covered during use.

Do not use the machine in a damp environment and never immerse it in water.

The machine must be cleaned regularly to prevent dirt from accumulating. All controls and handles must be kept clean, dry and free of grease.

When the machine is not in use, it must be stored in such a way that no one is endangered. Secure the machine against unauthorised use.

2.4.3 Protective equipment

Persons using the machine are required to wear the following protective equipment:

- Safety shoes with non-slip soles and toe caps
- Safety goggles in accordance with standard EN 166 or face protection
- Hearing protection

Cutting discs are sharp-edged! Cut-resistant gloves must be worn when handling cutting discs.

Silicic acid is a basic component of sand, quartz, brick clay, granite and numerous other materials and rocks.

Machining materials containing silica can generate dust and aerosols containing crystalline silica.

Repeated and/or significant inhalation of crystalline silica can lead to serious or fatal respiratory diseases.

The formation of harmful dust must be prevented by technical measures (operating the machine only in wet mode).

If the formation of harmful dust cannot be completely prevented, operating personnel and bystanders must always wear a respirator approved for the material being processed.

Loose-fitting clothing, long hair or body jewellery can get caught in moving parts of the machine! Take appropriate precautions.

Persons carrying out maintenance work on the machine are obliged to wear suitable protective equipment required for this activity.

2.5 Safety during maintenance

2.5.1 General

Maintenance of the machine may only be carried out by persons who have completed specialist training appropriate to this activity.

The maintenance activities and intervals specified in the operating instructions must be observed.

Workshop equipment appropriate to the type of activity is required to carry out maintenance activities.

The following safety precautions must be taken before starting maintenance work:

- Position the machine so that the area to be worked on is easily accessible.
- Set the machine to the appropriate operating condition.

After completing maintenance work:

- Reassemble the machine completely.
- If control elements or safety devices have been removed, they must be re-installed and their function checked.
- Retighten any loosened screw connections. Reattach screw locks.

Persons performing maintenance work on the machine are required to wear suitable protective equipment necessary for this activity.

2.5.2 Cleaning

No corrosive, hazardous or environmentally harmful substances may be used to clean the machine.
Dispose of cleaning agents in an environmentally friendly manner.

Under no circumstances may high-pressure cleaners, water jets or compressed air be used to clean the machine.

3 Technical

3.1 General

Item number	7500
Area of application	Concrete, asphalt
Area of application	Wet cutting
Maximum cutting disc diameter	500 mm
Cutting disc holder diameter	25.4 mm (1")
Cutting disc speed at full throttle	2400 rpm
Maximum cutting depth	190 mm
Cutting depth adjustment	Hand wheel
Water tank capacity	25
Weight	151 kg
Sound pressure level at idle speed	92 dB(A)
Sound pressure level under load	108 dB(A)
Hand/arm vibration Left handle	3.1 m/s
Hand/arm vibration Right handle	3.2 m/s
Dimensions in working position (L x W x H)	Approx. 1800 x 650 x 1130 mm
Dimensions when folded (L x W x H)	Approx. 1100 x 650 x 1130 mm
Permissible ambient temperature	5°C to 40°C
Permissible relative humidity	30% to 80%
Water supply connection	Gardena

3.2 Drive motor

Manufacturer	Loncin
Type	G420F
Power	16 hp / 11.7 kW
Torque	28 Nm
Operating principle	OHV, 4-stroke, EURO 5, forced cooling
Number of cylinders	1
Displacement	420 cm³
Idle speed	1800 rpm
Full throttle speed	3600 rpm
Starting system	Cable pull
Fuel tank capacity	6.5 L
Fuel consumption	≤ 395 g/kWh
Valve clearance (cold): Intake	0.15 +/- 0.02 mm
Valve clearance (cold): exhaust	0.2 +/- 0.02 mm

4 Engine description

4.1 Machine components

1 Cutting disc cover
2 Drive motor fuel tank
3 Water tank
4 Eye bolt for crane transport (concealed)
5 Control panel
6 Interface for water supply from external source (with coupling and ball valve)
7 Operating handle
8 Cutting line guide
9 Cutting disc (not included)
10 Motor cover
11 Drive belt cover
12 Cover for opposite cutting disc mounting
13 Front wheel
14 Rear wheel

4.2 Controls

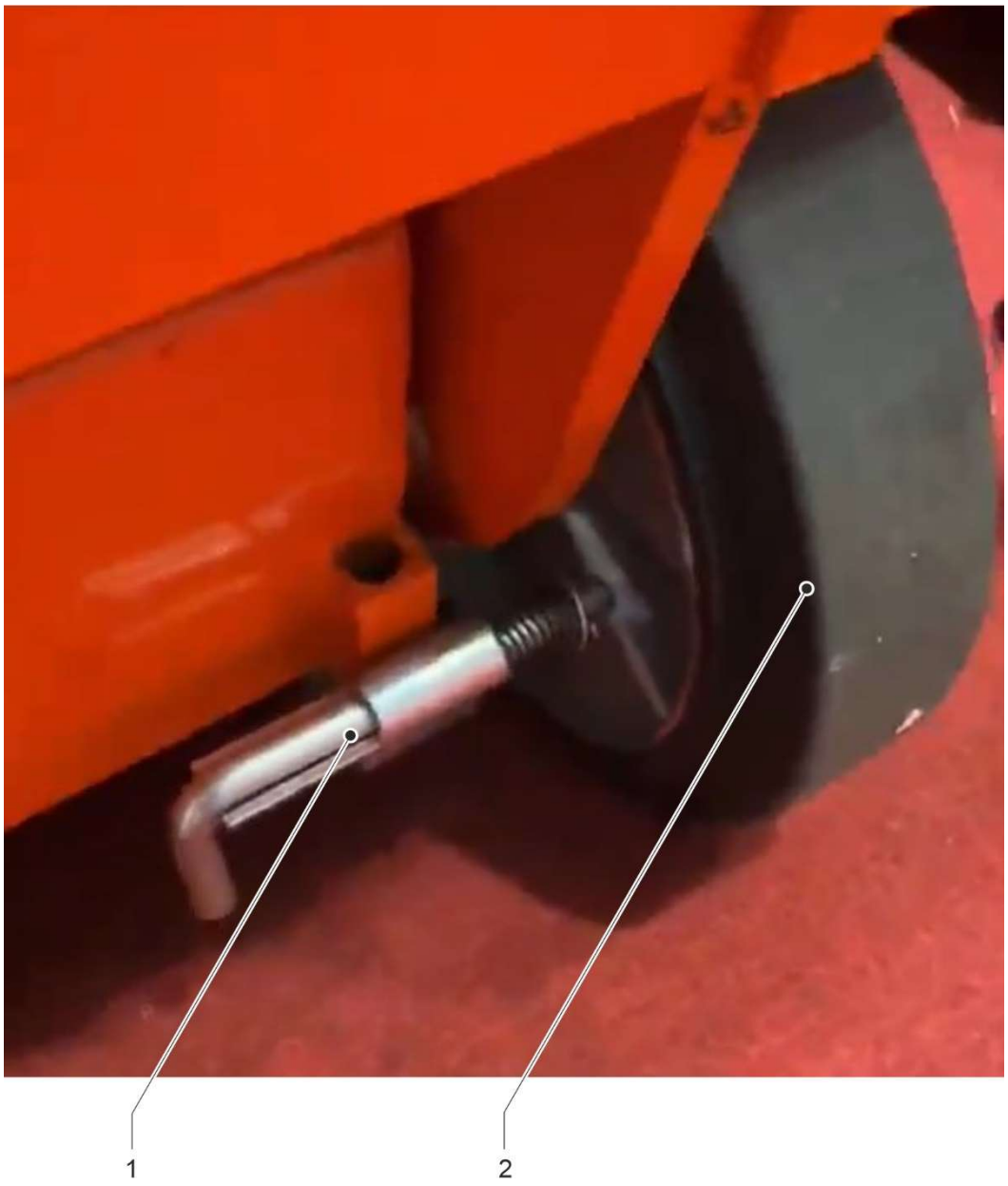

1
2
3
4
5
6
7
8
Fugenschneider
Floor Cutter
LOCKED
UNLOCKED
DEPTH LOCK
STOP
BLADE UP

Control panel

1 Throttle lever for drive motor
2 Hand wheel for cutting depth adjustment
3 Eye bolt for crane transport (concealed)
4 Water tank
5 Storage compartment for tools, operating instructions, etc.
6 Cutting depth adjustment lock
7 Emergency stop switch
8 Cutting depth adjustment display

Cutting disc cover and water supply to the cutting disc

1 Clutch
2 Ball valve (partially concealed)
3 Water hose to cutting disc
4 Rear part of the cutting disc cover (fixed)
5 Cutting disc holder
6 Front part of the cutting disc cover (can be folded upwards)



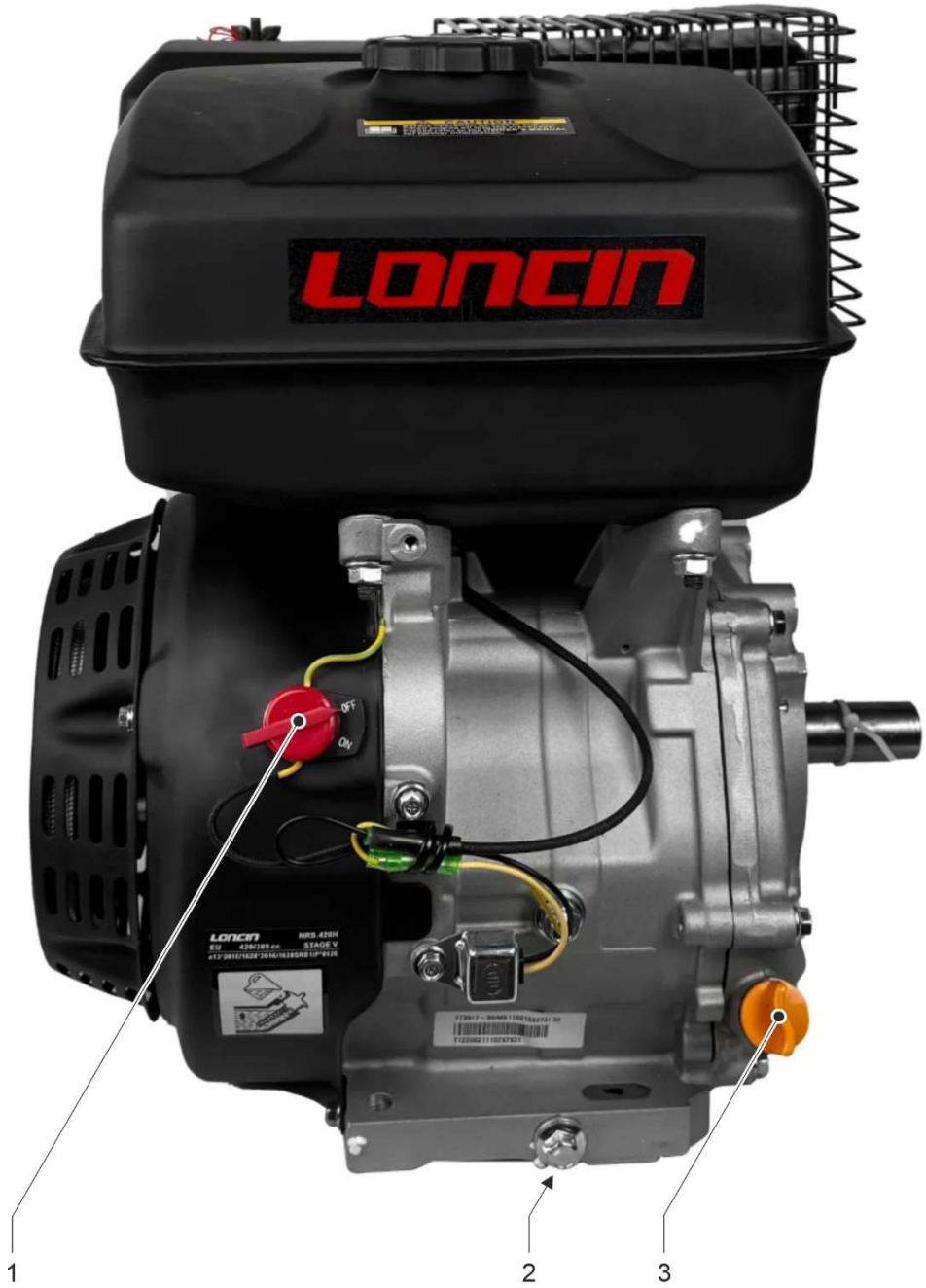
Rear wheel parking brake

1 Locking bolt

2 Rear wheel

4.3 Drive motor

1 Air filter
2 fuel tank
3 Starter flap lever
4 Fuel tap
5 Cable starter pull handle



1 Engine switch

2 Oil drain plug (there is another oil drain plug on the opposite side)

3 Oil dipstick (there is another oil dipstick on the opposite side)

4.4 Scope of delivery

The scope of delivery for the machine includes the following components:

- SuperCut 500X floor saw
- Double open-end spanner SW 24/22
- Spark plug socket wrench
- Operating instructions for the drive motor
- Operating instructions for the floor saw

ⓘ The cutting disc required for using the machine must be purchased separately.

Kernlochbohrer GmbH offers suitable diamond cutting discs for concrete and asphalt.

For information and ordering, please visit the online shop at http://www.kernlochbohrer.com.

5 Use of the machine

5.1 Specific precautions

The machine is intended exclusively for wet cutting grooves in concrete and asphalt. Any other use of the machine is considered to be contrary to its intended use.

Before cutting, all cuts to be made must be clearly marked and planned so that they can be carried out without danger to people or the machine.

Only cut in a straight line!

When using the machine, the motor produces exhaust gases that are hazardous to health and can cause symptoms of poisoning.

The machine may therefore only be operated outdoors or in well-ventilated rooms. If the machine is operated indoors, the ambient air must be monitored.

If symptoms of poisoning occur (malaise, impaired consciousness, fatigue, drowsiness), switch off the machine immediately, move to an area with fresh air and then consult a doctor.

The cutting disc rotates as soon as the machine's motor is started.

Before starting the motor, always check that the cutting disc cover is in the protective position. Never start cutting operations without an effective cutting disc cover.

When the machine is parked, it must be secured against rolling away by applying the rear wheel parking brake.

Never leave the machine unattended with the engine running.

To avoid damage or overload, do not place or store any objects on the machine.

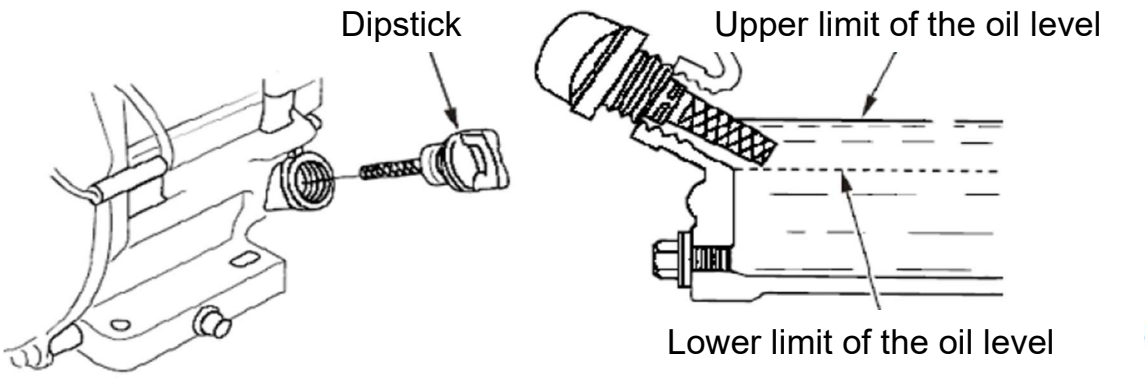
5.2 Starting up the machine

5.2.1 Checking the engine oil level

Before working with the machine, the engine oil level must be checked.

Procedure:

- ☑ Switch off the machine and allow it to cool down.
- ☑ Park the machine on a level surface and apply the rear wheel parking brake.
- ☒ To check the engine oil level, adjust the cutting depth of the machine accordingly:
  - ☒ Release the cutting depth adjustment lock.
  - ☒ Turn the cutting depth adjustment handwheel until the two engine oil dipsticks are at the same height.
  - ☒ Lock the cutting depth adjustment.
- ☒ Wait a few minutes to allow the engine oil to collect in the engine.
- ☒ Remove the engine cover at the front of the machine.
- ☒ Unscrew one dipstick from the engine and wipe it clean.
- ☒ Insert the dipstick into the filler opening, but do not screw it in tightly.
- ☒ Remove the dipstick from the filler opening and check the oil level on the dipstick.



- ☒ If there is too little engine oil in the engine, top up with engine oil.

  Engine oil to be used: Engine oil in accordance with SAE class 10W-30

☒ Check the oil level in the engine again with the dipstick.
The maximum fill level must not exceed the ribbed area of the dipstick.

☒ If necessary, correct the level and check again.

☒ Screw the dipstick all the way into the filler opening.

☒ Refit the engine cover.

ⓘ Note on engine oil:
Kernlochbohrer GmbH recommends using LIQUI MOLY 10W-30 universal garden equipment oil.
This is suitable for use at ambient temperatures of approx. -20°C to +45°C.

ⓘ The condition of the engine oil has a major influence on the operation and service life of the engine.

Therefore, the engine oil must be changed regularly:

- After the first 20 hours of operation or after 1 month of real time (whichever comes first).
- Then always after 100 hours of operation or after 6 months of real time (whichever comes first).

5.2.2 Filling the fuel tank

Before working with the machine, the engine's fuel tank must be filled.

Special safety measures when handling petrol:

Petrol is highly flammable!

Do not spill petrol!

Keep away from open flames!

Do not smoke!

Special safety measures when refuelling the machine:

Do not refuel the machine if the engine is running or still hot!

Only refuel in well-ventilated areas!

If petrol is spilled, clean the machine immediately!

Do not allow petrol to come into contact with clothing; if it does, change immediately!

Check for leaks! If petrol is leaking, do not start the engine!

Fuel:

Petrol with a minimum RON of 95 and a maximum ethanol content of 5%, without the addition of oil.

Procedure:

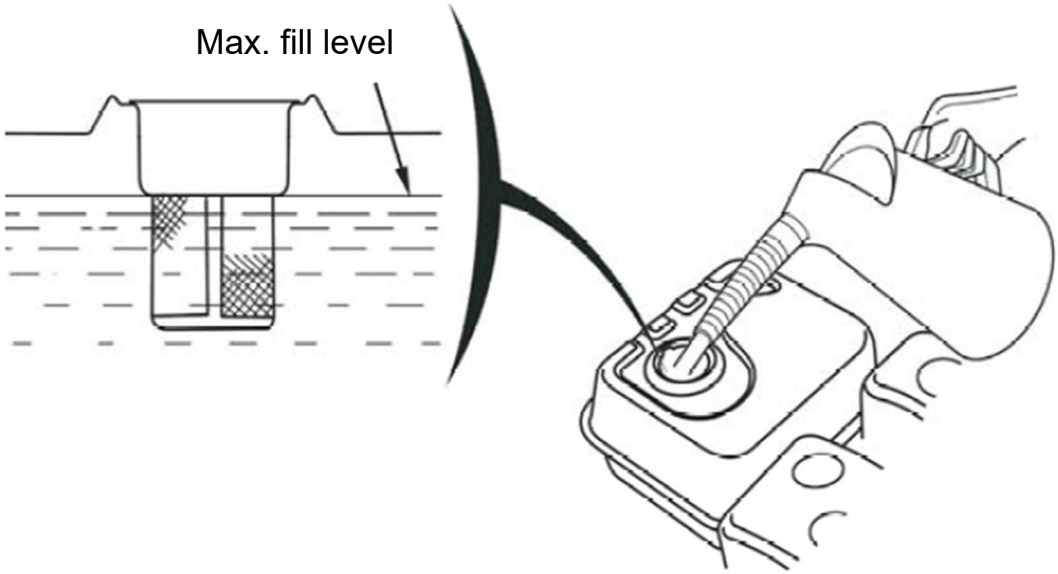
☑ Switch off the machine and allow it to cool down.

☑ Park the machine on a level surface and apply the rear wheel parking brake.

☒ Clean the fuel tank and tank cap.

☒ Unscrew the fuel tank cap.

☒ Fill the fuel tank with petrol until the level reaches the shoulder of the filler screen.



☒ Replace the fuel tank cap.
Check the fuel tank and cap for leaks.

5.2.3 Prepare the water supply

ⓘ Only clean water without additives may be used to supply the cutting disc!

ⓘ The machine offers two different options for supplying water to the cutting disc:

- Internal supply from the water tank.
- External supply by connecting a water hose to the coupling.

Depending on the option selected, the respective hose must be connected to the coupling on the cutting disc cover.

Water supply from water tank

If the cutting disc is to be supplied from the water tank while the machine is in use, the tank must be filled before work begins.

Procedure:

☑ Park the machine on a horizontal surface and apply the rear wheel parking brake.

☒ Unscrew the cap of the water tank.

☒ Close the ball valve on the coupling of the cutting disc cover.

☒ Connect the hose coming from the water tank to the coupling on the cutting disc cover.

☒ Pour water through the opening of the water tank until the fill level reaches the shoulder of the filler opening.

☒ Replace the water tank cap.

Water supply from an external source

If the cutting disc is to be supplied with water from an external source while the machine is in use, the connection must be made before work begins.

Procedure:

☑ Park the machine on a horizontal surface and apply the rear wheel parking brake.

☒ Close the ball valve at the water supply connection point.

☒ Close the ball valve on the coupling of the cutting disc cover.

☒ Connect the hose coming from the water supply connection to the coupling on the cutting disc cover.

☒ Connect the external water hose to the water supply connection.

5.2.4 Adjusting the control handle

Before working with the machine, the height of the operating handle can be adjusted to a comfortable height for the operator.

Procedure:

1 Control handle
2 Hexagonal screw in the pivot point
3 Fixing hexagonal screw

☑ Park the machine on a level surface and apply the rear wheel brakes.

☒ Loosen the hexagonal screw in the pivot point of the operating handle on both sides.

☒ Loosen the fixing hexagon screw on both sides in the handle bracket.

☒ Hold the operating handle firmly.

☒ Remove the fixing hexagon screw on both sides of the operating handle.

☒ Adjust the height of the operating handle to a comfortable height for the operator. Align the hole in the fixed part and the thread in the movable part of the operating handle.

☒ Screw in and tighten the fixing hexagon screw on both sides of the operating handle.

☒ Tighten the hexagon screw on both sides in the pivot point of the operating handle.

5.2.5 Mounting the cutting disc

Before working with the machine, a cutting disc suitable for the material to be cut must be fitted.

Cutting discs have sharp edges!
Cut-resistant gloves must be worn when handling cutting discs.

The machine must not be tilted when mounting the cutting disc!
This could cause engine oil to leak and damage the machine.

ⓘ The installation of the cutting disc is described for the machine in its delivery condition.

In this condition, the cutting disc can be mounted on the right-hand side of the machine when viewed in the direction of travel.

It is also possible to mount the cutting disc on the left side of the machine. However, the cutting disc cover must first be replaced with the cover for opposite cutting disc mounting.

If you require assistance with the conversion, please contact Kernlochbohrer GmbH.

After converting the cutting disc holder, all covers and protective devices must be refitted!

Cutting disc:

The cutting disc must be suitable for the machine and the material to be cut.

Only use steel-centred diamond cutting discs.

The cutting disc must not show any damage such as cracks, dents or defects in the steel core and/or on the edge.

The centring bore and the eccentric bore must be undamaged.

The maximum permissible speed of the cutting disc is printed on the cutting disc.
The maximum permissible speed of the cutting disc must be greater than the maximum speed of the machine (2400 rpm).

ⓘ Kernlochbohrer GmbH offers suitable diamond cutting discs for concrete and asphalt.

For example:
Diamond cutting disc (Ø500) for concrete (item number 7511)
Diamond cutting disc (Ø500) for asphalt (item number 7514)

Tools:

Open-end spanner SW24

Procedure:

☑ Park the machine on a horizontal surface and apply the rear wheel parking brake.

☑ Switch off the machine and allow it to cool down.

☒ Set the engine switch to the "OFF" position.

☒ Release the cutting depth adjustment lock.

☒ Turn the cutting depth adjustment handwheel counterclockwise until the cutting disc shaft is in its upper end position.

☒ Lock the cutting depth adjustment.

☒ Fold up the front part of the cutting disc cover to access the cutting disc holder.

ⓘ The nut and cutting disc shaft on the right-hand side of the machine have a left-hand thread!

☒ Unscrew the nut clockwise from the cutting disc shaft.

☒ Remove the disc and outer flange from the cutting disc shaft.

☒ Clean the clamping surfaces of both flanges and the mounting surface of the cutting disc on the cutting disc shaft.

Check the cutting disc, flanges and mounting surface of the cutting disc shaft for wear and damage.

The elements may only be used if they are undamaged.

☒ Check the intended direction of rotation of the cutting disc. The arrow on the cutting disc indicates the direction of rotation.

☒ Place the cutting disc on the cutting disc shaft. Align the eccentric bore in the cutting disc with the bore in the inner flange.

☒ Place the outer flange onto the cutting disc shaft. The drive pin of the outer flange must protrude through the cutting disc and into the inner flange.

☒ Screw the nut with washer onto the cutting disc shaft in an anti-clockwise direction. Tighten the nut to a torque of 50 Nm.

☒ Fold down the front part of the cutting disc cover.

☒ Check the protective function of the cutting disc cover:

- Check that the fixed part of the cutting disc guard is securely bolted to the base frame.
- Check whether the spring-loaded front part of the cutting disc guard is securely connected to the fixed part and folded down completely.
- There must be no gaps between the two parts.

ⓘ The cutting disc is removed in reverse order.

5.2.6 Check the alignment of the cutting line guide

Before working with the machine, check that the cutting line guide is correctly aligned.

Procedure:

☑ Park the machine on a horizontal surface and apply the rear wheel parking brake.

☑ Switch off the machine and allow it to cool down.

☒ Fold down the cutting line guide.

☒ Place the ruler against the cutting disc and check that the guide wheel is correctly aligned with the cutting disc.

If necessary, loosen the lock nut on the threaded rod, adjust the position of the guide wheel of the cutting line guide by turning the thread and retighten the lock nut.

☒ Fold the cutting line guide upwards.

5.3 Working with the machine

5.3.1 Visual inspection of the machine

Before working with the machine, a visual inspection must be carried out:

- Check the general condition and cleanliness of the machine.
- Check that all covers and components of the machine are present.
- Check that all screws are tight.
- Air intake and exhaust openings must not be dirty or covered.

5.3.2 Preparing to use the machine

Before using the machine, a few preparations must be made:

Put on personal protective equipment.

Ensure that there are no unauthorised persons within the working area.

The formation of harmful dust must be prevented by technical measures (operate the machine using the wet method only).

If the formation of harmful dust cannot be completely ruled out, the operating personnel and bystanders must always wear a respirator mask approved for the material being processed.

Procedure:

- ☒ Plan all cuts to be made and mark them clearly on the floor.
  The machine can only cut in a straight line!
- ☒ Fold down the cutting line guide.
- ☒ Position the machine so that the cutting line guide is aligned with the markings for the cuts to be made and apply the parking brake on the rear wheels.

The cutting disc cover may only be folded up when the engine is switched off!

- ☒ Fold up the front part of the cutting disc cover so that the water supply to the cutting disc is visible.
- ☒ Open the ball valve for the water supply to the cutting disc.
- ☒ Check the water nozzles for sufficient flow. If the flow is insufficient, increase the water quantity.
- ☒ Close the ball valve for the water supply to the cutting disc.
- ☒ Fold down the front part of the cutting disc cover.

5.3.3 Start the motor

The cutting disc starts rotating as soon as the motor is started!

Before starting the engine, always check that the cutting disc cover is in the protective position. Never start cutting without an effective cutting disc cover.

Normally, the front part of the cutting disc cover must not be lifted while the engine is running. This is only permitted if a cut is to be made up to a vertical surface!

In the event of any danger from the engine or cutting disc, press the emergency stop switch!

This will immediately stop the machine's motor and the cutting disc will come to a halt.

ⓘ The emergency stop switch is unlocked by turning the actuator knob.

Procedure:

☑ Engine oil level checked.
🕮 See section 5.2.1 "Checking the engine oil level".

☑ Fuel tank filled.
🕮 See section 5.2.2 "Filling the fuel tank".

☑ Water supply prepared.
🕮 See section 5.2.3 "Prepare the water supply".

☑ Control handle adjusted.
🕮 See section 5.2.4 "Adjusting the control handle".

☑ Cutting disc mounted and front part of the cutting disc cover folded down.
🕮 See section 5.2.5 "Mounting the cutting disc".

☑ Alignment of the cutting line guide checked.
🕮 See section 5.2.6 "Check the alignment of the cutting line guide".

☑ Cutting disc locked in upper end position and cutting depth adjustment locked.

☑ Visual inspection of the machine carried out.

📖 See chapter 5.3.1 "Visual inspection of the machine".

☑ Prepare the machine for use.

📖 See chapter 5.3.2 "Preparing to use the machine".

☑ Emergency stop switch unlocked.

☒ Open the fuel tap. To do this, push the lever to the right.

☒ Adjust the choke lever according to the engine temperature:

- Close the choke lever when the engine is cold. To do this, push the lever to the left.
- When the engine is warm, open the choke. To do this, push the lever to the right.

☒ Move the engine throttle lever from "slow" to "fast" until it is approximately in the middle position.

☒ Set the engine switch to the "ON" position.

☒ Pull the pull cord starter lightly until you feel resistance at the compression point.

☒ Once the compression point has been reached, pull the pull cord starter handle sharply.

↳ The engine will start.

Sometimes several pulls are required to start the engine.

Do not allow the pull handle to snap back freely when pulling repeatedly, but hold it firmly to avoid injury from rapid retraction.

☒ Move the engine throttle lever to the "slow" position.

☒ If the engine was started with the choke lever closed, the choke lever must be opened during the warm-up phase. To do this, push the choke lever to the right.

If the engine was started with the choke lever open, leave the choke lever in this position.

☒ Allow the engine to warm up for a few minutes. During this time, check for fuel leaks and abnormal noises that may indicate loose machine components.

☒ After the warm-up phase is complete:

Press the emergency stop switch.

↳ The engine will come to a standstill.

ⓘ If the engine does not come to a standstill, the emergency stop switch of the machine is defective.

Do not operate the machine in this condition!

Have the machine repaired by qualified personnel!

5.3.4 Start cutting

ⓘ Cuts should only be made as deep as required by the application specification.

Cuts that are deeper than necessary will lead to unnecessary wear on the cutting disc and the machine.

ⓘ Kernlochbohrer recommends performing a step cut for large cutting depths:

- First, make a guide cut with a cutting depth of 20 to 30 mm.
- Then cut gradually deeper in 50 mm increments until the cutting depth specified for the application is reached.

ⓘ The cutting depth setting display can be turned by hand. This is used to reset the cutting depth setting to zero.

The cutting depth adjustment indicator has a scale in centimetres and a scale in inches.

Procedure:

☑ Visual inspection of the machine carried out.

🕮 See chapter 5.3.1 "Visual inspection of the machine".

☑ Preparations for using the machine carried out.

🕮 See chapter 5.3.2 "Preparing to use the machine".

☒ Position the machine at the start of the desired cutting line and apply the rear wheel parking brake.

☒ Start the engine and let it idle.

📖 See section 5.3.3 "Start the motor".

☒ Open the ball valve for the water supply to the cutting disc.

☒ Slowly push the throttle lever forward to the "fast" (full throttle) position.

↳ The cutting disc is accelerated to working speed.

All cuts must be made with the throttle lever in the "fast" position!

☒ Release the cutting depth adjustment lock.

☒ Slowly turn the cutting depth adjustment handwheel clockwise, lowering the cutting disc until it scratches the surface of the material to be cut.

☒ Turn the cutting depth adjustment indicator to zero.

☒ Continue to turn the cutting depth adjustment handwheel slowly clockwise and lower the cutting disc to the desired cutting depth.

The cutting depth achieved can be read on the display.

↳ The rotating cutting disc plunges into the material to be cut from above.

☒ Once the desired cutting depth has been reached, lock the cutting depth adjustment.

☒ Release the parking brake on the rear wheels.

☒ Slowly push the machine forwards. Make sure that the guide wheel of the cutting line guide is guided precisely along the markings for the cuts to be made.

Only cut in a straight line! Only apply enough pressure to the operating handles to follow the cutting line.

Select a feed speed that is fast enough to prevent the motor speed from dropping during cutting.

If the cutting disc runs out of the joint, reduce the feed speed or cutting depth.

The motor's silencer becomes very hot during operation!
Do not touch the silencer!

5.3.5 Finish cutting

Procedure:

- ☒ At the end of the desired cutting line: Release the feed pressure.
- ☒ Apply the parking brake to the rear wheels.
- ☒ Release the cutting depth adjustment lock.
- ☒ Turn the cutting depth adjustment handwheel anticlockwise until the cutting disc is in its upper end position.
- ☒ Lock the cutting depth adjustment.
- ☒ Close the water supply to the cutting disc.
- ☒ Slowly pull the throttle lever back to the "slow" (idle) position.
  ↳ The engine speed is reduced to idle speed.
- ☒ Allow the engine to run at idle speed for approx. 2 to 3 minutes to allow it to cool down.
- ☒ Set the engine switch to the "OFF" position.
  ↳ The engine will come to a standstill.
- ☒ Close the fuel tap. To do this, push the lever to the left.
- ☒ If the machine was supplied with water from an external source: Disconnect the water supply from the machine.
- ☒ Fold the cutting line guide upwards.
- ☒ Remove the cutting disc.
  📖 See chapter 5.2.5 "Mounting the cutting disc".
- ☒ Check the condition of the cutting disc.
  Replace damaged or worn cutting discs.
- ☒ Check the machine for contamination.
  Clean the machine if necessary.
  📖 See chapter 6.3.1 "Clean and check the machine ".

5.4 Transporting the machine

Procedure:

☒ Switch off the machine and allow it to cool down completely.

🕮 See chapter 5.3.5 "Finish cutting".

☒ If the machines were supplied with water from an external source: Disconnect the water supply from the machine.

☒ Fold the cutting line guide upwards.

☒ Remove the cutting disc and lock the cutting depth adjustment in the upper end position.

🕮 See chapter 5.2.5 "Mounting the cutting disc".

☒ Transport the machine by pushing it using the operating handle. To do this, release the parking brake on the rear wheels.

Or:

Lift the machine using suitable aids at the eyelet for crane transport.

Do not use the operating handle and/or cutting line guide to lift the machine.

Never tow the machine behind a vehicle!

The machine must not be tilted for transport under any circumstances!

This could cause engine oil to leak and damage the machine.

5.5 Preparing the machine for prolonged periods of inactivity

Operating fluid:

- Universal garden equipment oil 10W-30 from the manufacturer LIQUI MOLY. Quantity 0.005 - 0.01 litres
- Petrol with a minimum RON of 95 and a maximum ethanol content of 5%, without the addition of oil.

Procedure:

☑ Switch off the machine and allow it to cool down completely.
🕮 See chapter 5.3.5 "Finish cutting".

☒ Remove the cutting disc.
🕮 See chapter 5.2.5 "Mounting the cutting disc".

☒ Clean the machine and allow it to dry completely.
🕮 See chapter 6.3.1 "Clean and check the machine ".

☒ Change the engine oil.
🕮 See chapter 6.3.2 "Change the engine oil".

☒ Add engine oil to the combustion chamber:
- Remove the spark plug connector.
- Clean the area around the spark plug.
- Unscrew the spark plug with a socket wrench.
- Pour 0.005 to 0.01 litres of fresh engine oil into the combustion chamber through the threaded hole.
- Pull the cable starter several times. This distributes the engine oil in the combustion chamber.
- Screw in the spark plug by hand and tighten it with a socket wrench.
- Pull the cable starter gently until you feel resistance at the compression point. This closes the engine valves and prevents moisture from entering.
- Attach the spark plug connector.

☒ Fill the fuel tank completely.
🕮 See chapter 5.2.2 "Filling the fuel tank".

☒ Store the machine in a dry, cool and well-ventilated place. Protect from moisture and direct sunlight.

☒ Apply the rear wheel parking brake.

☒ Secure the machine against unauthorised use.

☒ Protect the machine from dust with an air-permeable cover. Do not cover with air-impermeable foil or similar.

6 Maintenance

6.1 Notes on proper maintenance

Inadequate or improper maintenance can cause malfunctions and impair the operational safety and service life of the machine. Regular inspection and maintenance is therefore essential. We recommend that maintenance work only be carried out by trained personnel.

The contractually agreed warranty does not release the operator of the machine from the obligation to maintain the machine in accordance with the manufacturer's instructions from the time of commissioning. Kernlochbohrer GmbH is not liable for damage caused by inadequate maintenance.

6.2 Maintenance and inspection schedule

The intervals specified refer to normal operating conditions. In difficult conditions (heavy dust accumulation, etc.) and longer daily working hours, the specified intervals must be shortened accordingly by the operator.

Use the maintenance and inspection schedule as a guide only! Be sure to note the cross-references to the other chapters! These describe in detail how to carry out the individual tasks correctly and safely.

Interval and category	Component	Activity	Chapter
1 d E	Machine	Cleaning and inspection	6.3.1
20 h B or 1 Mon E ①	Engine	Change oil	6.3.2
50 h B or 3 Mon E	Air filter	Clean	6.3.3
100 h B or 6 Mon E	Engine	Change oil	6.3.2
100 h B or 6 Mon E	Fuel tank	Clean the settling cup	6.3.4
100 h B or 6 Mon E	Spark plug	Clean and check	6.3.5
100 h B or 6 Mon E	Drive belt	Check tension and condition	6.3.6
200 h B or 12 Mon E	Air filter	Replace element	6.3.3
200 h B or 12 Mon E	Spark plug	Replace	6.3.5
200 h B or 12 Mon E	Engine	Check idle speed	②
200 h B or 12 Mon E	Engine	Check valve clearance	②
200 h B or 12 Mon E	Engine	Clean fuel tank	②
200 h B or 12 Mon E	Engine	Clean fuel lines	②
200 h B or 12 Mon E	Engine	Clean combustion chamber	②

Key:

d Day h Hour Mon Month

B Operating time E Real time

① First oil change

② Have work carried out by qualified personnel.

6.3 Inspection and maintenance

6.3.1 Clean and check the machine

Do not use abrasive sponges or metal objects to clean the machine. These could damage the surface of the machine.

Do not use high-pressure cleaners, water jets or compressed air to clean the machine. The strong water or air jet could damage the machine.

Do not use corrosive, hazardous or environmentally harmful substances to clean the machine.

Interval:

1 day real time

Tools:

- Container with a mixture of water and mild detergent (e.g. washing-up liquid).
- Cloth and brush

Procedure:

☑ Switch off the machine and allow it to cool completely.
🕮 See chapter 5.3.5 "Finish cutting".

☒ Remove the cutting disc.
🕮 See chapter 5.2.5 "Mounting the cutting disc".

☒ Park the machine on a level surface and apply the rear wheel parking brake.

☒ Clean the machine of dust and dirt.
- Use a damp cloth dipped in water mixed with a mild detergent.
- Do not allow water to enter the electrical switch elements or the interior of the control panel, engine, carburettor or silencer.

☒ Allow the machine to dry completely.

☒ Check that all screws on the machine are tight. Tighten screws if necessary.

6.3.2 Change the engine oil

ⓘ The condition of the engine oil has a major influence on the operation and service life of the engine.

Therefore, the engine oil must be changed regularly:

- After the first 20 hours of operation or after 1 month of real time (whichever comes first).
- Then always after 100 hours of operation or after 6 months of real time (whichever comes first).

Interval:

First after 20 hours of operation or 1 month of real time (whichever occurs first)

Then after 100 hours of operation or 6 months of real time (whichever comes first)

Operating fluid:

Universal garden tool oil 10W-30 from the manufacturer LIQUI MOLY

Quantity: 1.1 litres

ⓘ The specified quantity was determined during the initial filling. It serves only as a reference for purchasing the oil!
When filling the machine, the level indicated on the dipstick is decisive.

ⓘ Note on engine oil:

The engine oil recommended by Kernlochbohrer GmbH, Universal Garden Equipment Oil 10W-30 from the manufacturer LIQUI MOLY, is suitable for use at ambient temperatures of approx. -20 to +45°C.

Aids:

Oil-resistant drip tray (capacity approx. 2 litres)

Procedure:

☑ Machine switched off but not cooled down.

🕮 See chapter 5.3.5 "Finish cutting".

Do not touch hot machine parts, especially the silencer – risk of burns!

☒ Park the machine on a horizontal surface and apply the rear wheel parking brake.

☒ To change the engine oil, adjust the cutting depth of the machine accordingly:

- ☒ Release the cutting depth adjustment lock.
- ☒ Turn the cutting depth adjustment handwheel until the two engine oil dipsticks are at the same height.
- ☒ Lock the cutting depth adjustment.

☒ Remove the engine cover at the front of the machine.

☒ Unscrew one dipstick from the engine and wipe it clean.

☒ Clean the engine oil tank and oil drain plug.

☒ Have a drip tray ready under the oil drain plug.

Hot engine oil – risk of burns!

☒ Unscrew the oil drain plug with seal and allow the engine oil to drain into the drip tray.

☒ Dispose of collected engine oil in an environmentally friendly manner. Clean the drip tray.

☒ Check the oil drain plug and seal for damage. Replace any damaged parts.

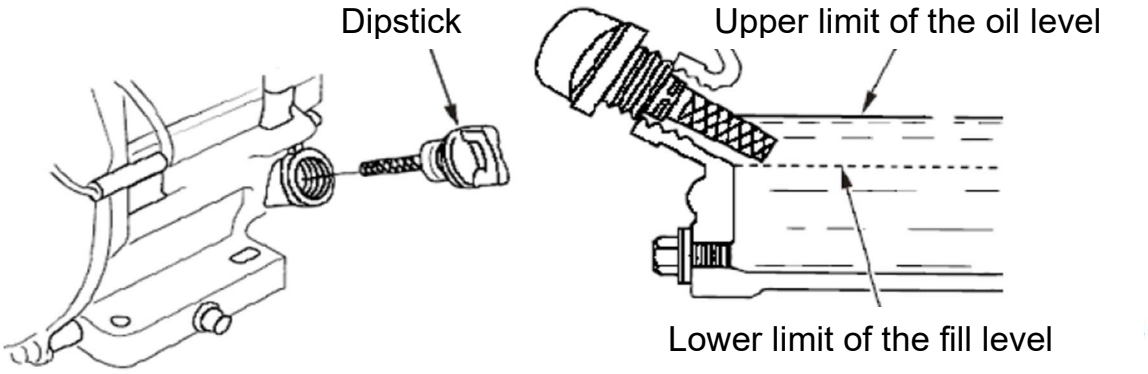
☒ Screw in the oil drain plug with seal and tighten.

☒ Fill the engine with engine oil.

ⓘ The specified quantity of 1.1 litres was determined during the initial filling. It serves only as a reference for purchasing the oil!
When filling the machine, the level indicated on the dipstick is decisive.

☒ Insert the dipstick into the filler opening, but do not screw it in tightly.

☒ Remove the dipstick from the filler opening and check the level on the dipstick.



☒ If there is too little engine oil in the engine, top up the engine oil.

☒ If there is too much engine oil in the engine, drain some of the engine oil.

☒ Check the oil level in the engine again with the dipstick.
The maximum fill level must not exceed the ribbed area of the dipstick.

☒ Screw the dipstick all the way into the filler opening.

☒ Replace the engine cover.

6.3.3 Clean or replace the air filter elements

ⓘ The engine is equipped with a two-element air filter consisting of a paper filter and a sponge filter.

If no filter elements or damaged filter elements are used in the air filter, dust can enter the engine and accelerate wear!

Interval for cleaning the filter elements:

50 hours of operating time or 3 months of real time (whichever comes first)

Interval for replacing the filter elements:

200 hours of operating time or 12 months of real time (whichever comes first)

ⓘ A dirty air filter can restrict air intake and reduce engine performance.
If the machine is operated in a very dusty environment, the intervals must be shortened accordingly.

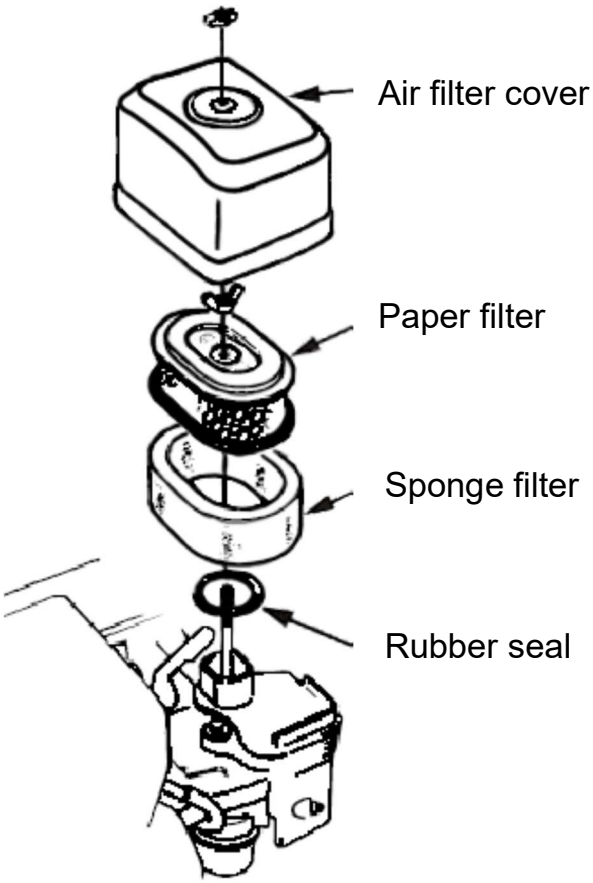
Tools for cleaning the filter elements:

- Tub with a mixture of warm water and mild detergent (e.g. washing-up liquid) or a non-flammable solvent.
- Tub with clean engine oil.

Spare part:

Filter element (consisting of sponge filter and paper filter)
Item number E33.93

Procedure:



☑ Machine switched off and completely cooled down.

🕮 See chapter 5.3.5 "Finish cutting".

☒ Park the machine on a level surface and apply the rear wheel parking brake.

☒ Unscrew the wing nut on the top of the air filter cover and remove the air filter cover.

☒ Unscrew the wing nut on the top of the filter element and remove the filter element from the lower part of the air filter.

☒ Clean the air filter base, air filter cover and rubber seal with a damp, lint-free cloth. Make sure that no dirt or water gets into the carburettor air ducts.

☒ Cover the air filter base with a lint-free cloth to prevent dirt from getting into the air filter base.

☒ Separate the paper filter and sponge filter from each other.

☒ Check the condition of the paper filter and sponge filter.

If the filter elements are damaged, replace them.

Otherwise, clean the filter elements.

☒ Cleaning the paper filter:

- Do not clean paper filters with a brush. This could cause damage!
- Tap the paper filters lightly a few times.
- Blow out the paper filter with compressed air (maximum pressure 2 bar) from the inside out.

☒ Cleaning the sponge filter:

- Clean the sponge filter in a mixture of warm water and mild detergent or a non-flammable solvent.
- Allow the sponge filter to dry thoroughly.
- Dip the dried sponge filter in clean engine oil and then squeeze out any excess engine oil.

☒ Assemble the paper filter and sponge filter.

☒ Insert the rubber seal into the lower part of the air filter.

☒ Insert the filter elements into the lower part of the air filter. Position the rubber seal correctly.

☒ Secure the filter elements with the wing nut.

☒ Attach the air filter cover and secure it with the wing nut.

6.3.4 Clean the settling cup

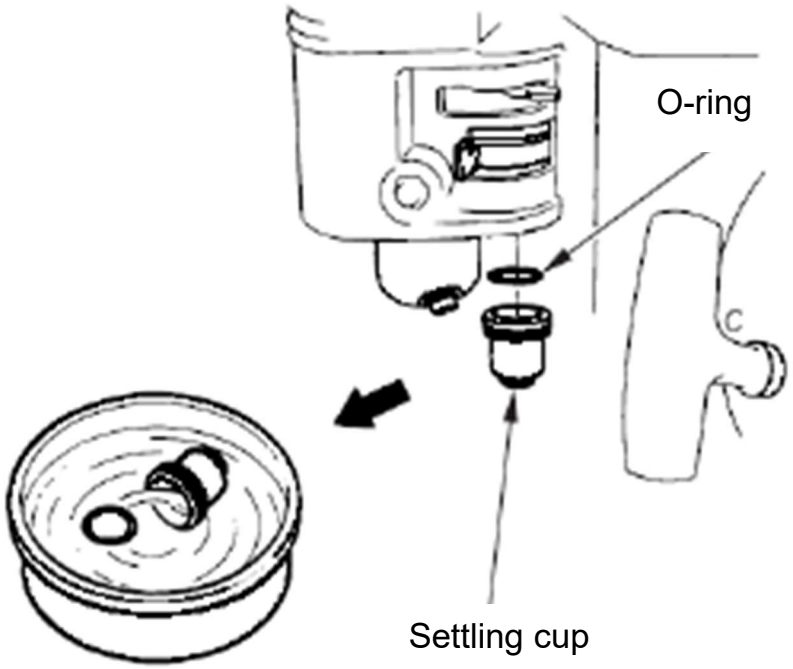
Interval:

100 hours of operating time or 6 months of real time (whichever comes first)

Tools:

- Fuel-resistant drip tray
- Tray with non-flammable solvent.

Procedure:



☑ Machine switched off and completely cooled down.
🕮 See chapter 5.3.5 "Finish cutting".

☑ Fuel tap closed (lever to the left).

☒ Park the machine on a level surface and apply the rear wheel parking brake.

☒ Place a drip tray under the setting cup.

- ☒ Unscrew the settling cup and remove the O-ring. Allow any fuel that escapes to drain into the drip tray.
- ☒ Dispose of the collected fuel in an environmentally friendly manner. Clean the drip tray.
- ☒ Clean the settling cup and O-ring in a non-flammable solvent.
- ☒ Allow the settling cup and O-ring to dry.
- ☒ Attach the settling cup with the O-ring. Screw the settling cup tight.
- ☒ Open the fuel tap. To do this, push the lever to the right.
- ☒ Check the settling cup for leaks at the mounting point. The O-ring may need to be replaced.
- ☒ Close the fuel tap. To do this, push the lever to the left.

6.3.5 Clean and check the spark plug or replace it

Using an incorrect or damaged spark plug can damage the engine.

Interval for cleaning and checking the spark plug:

100 hours of operating time or 6 months of real time (whichever comes first)

Interval for spark plug replacement:

200 hours of operating time or 12 months of real time (whichever comes first)

Cleaning tools:

Wire brush

Spare part for spark plug replacement:

F7RTC spark plug or equivalent

Procedure:

☑ Machine switched off and completely cooled down.
🕮 See chapter 5.3.5 "Finish cutting".

☒ Park the machine on a level surface and apply the rear wheel parking brake.

☒ Remove the spark plug connector.

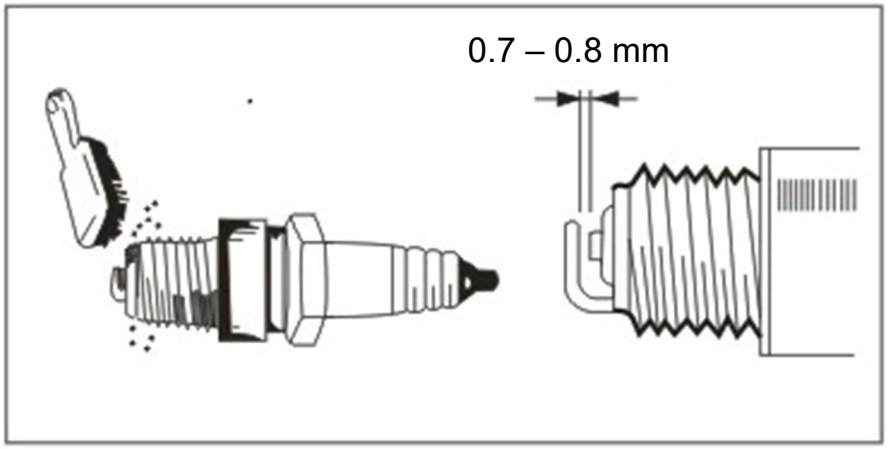
☒ Clean the area around the spark plug.

☒ Unscrew the spark plug with a socket wrench.

☒ Check the spark plug.

If the spark plug electrode is damaged or the insulator is cracked, replace the spark plug.

Otherwise, clean the spark plug and check the electrode gap.



☒ Clean the spark plug and check the electrode gap:
- Remove carbon deposits in the electrode area with a wire brush.
- Check the electrode gap. The electrode gap must be 0.7 to 0.8 mm. Correct the electrode gap if necessary.

☒ Screw in the spark plug by hand and tighten it with a socket wrench.

☒ Attach the spark plug connector.

6.3.6 Check the condition and tension of the drive belt

Interval:

100 hours of operating time or 6 months of real time (whichever comes first)

Spare part for replacing the drive belt:

Drive belt: Item number E33.55

Procedure:

☑ Machine switched off and completely cooled down.

📖 See chapter 5.3.5 "Finish cutting".

☒ Park the machine on a horizontal surface and apply the rear wheel parking brake.

☒ Remove the drive belt cover.

☒ Check the condition and tension of the drive belt :

- ☒ Check the condition of the drive belt. Replace damaged drive belts.
- ☒ Check the parallelism of the pulleys and drive belt. Align the pulleys if necessary.
- ☒ Check the tension of the drive belt. Retension the drive belt if necessary. drive belt Fit the drive belt cover.

7 Troubleshooting

If a fault occurs during operation of the machine, please first try to rectify the fault yourself using the following information.

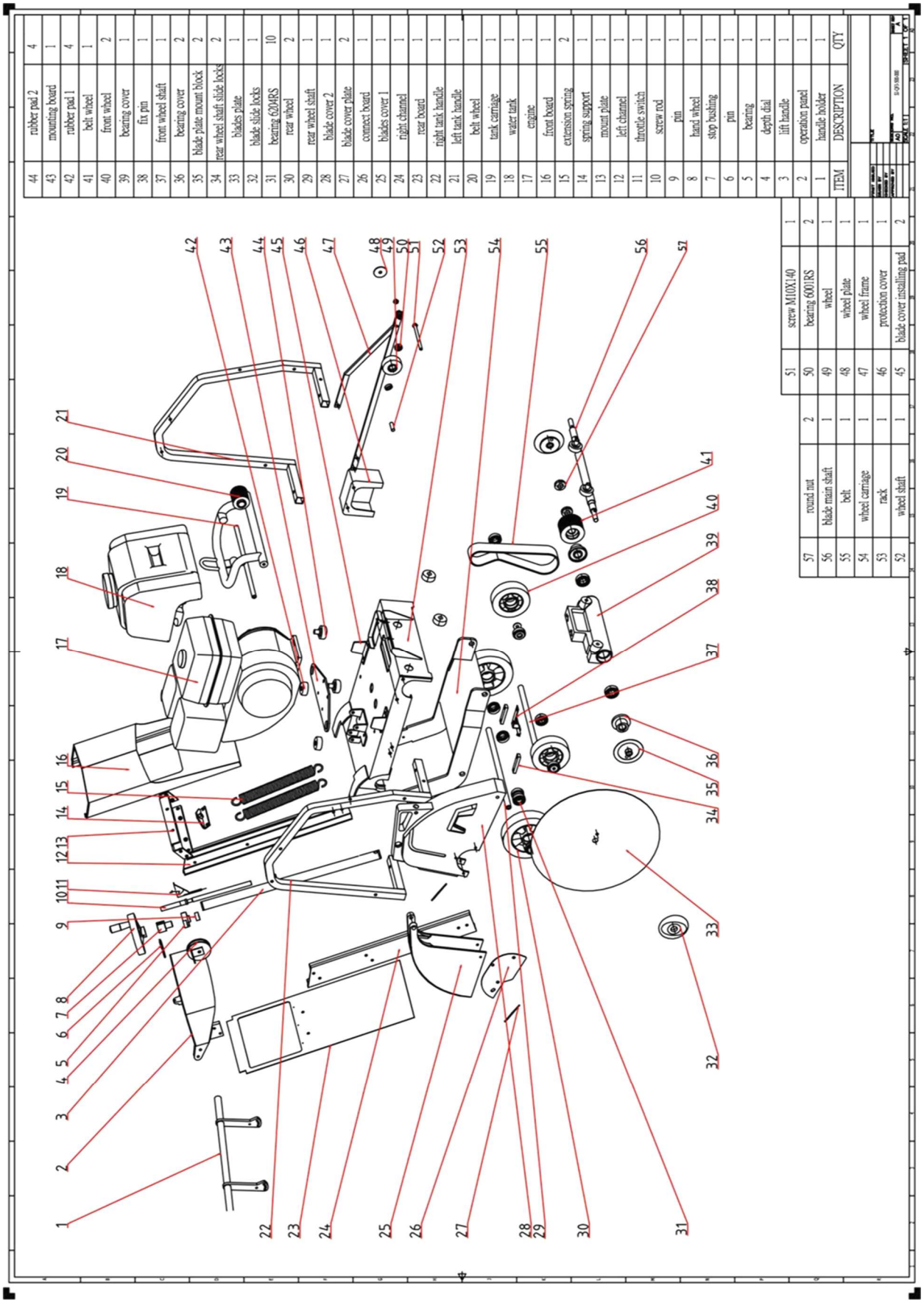
If you are unable to rectify the fault yourself, please contact Kernlochbohrer GmbH.

Fault	Possible cause	Troubleshooting
Cutting disc slows down or stops	Cutting disc not suitable or worn	Ask Kernlochbohrer GmbH for the right cutting disc
		If necessary, cut very soft material (sandstone, quartz stone, slag) to "resharpen" the blade
	V-belt tension insufficient or V-belt worn	Tighten and/or replace V-belt
	Incorrect direction of rotation of the cutting disc	Check that the cutting disc is fitted correctly
	Cutting disc slips on cutting disc shaft	Check that the cutting disc is correctly installed
Cutting disc does not cut straight	The cutting line guide of the machine is not correctly aligned	Check the cutting line guide and adjust if necessary
	Cutting disc too hard for the material to be cut	Check the specifications of the cutting disc. Ask Kernlochbohrer GmbH for the correct cutting disc
	Cutting disc not correctly mounted on the cutting disc shaft	Check that the cutting disc is mounted correctly
	Feed pressure too high	Reduce feed pressure. Make a slow and even cut

Malfunction	Possible cause	Troubleshooting
Cutting disc discoloured, cracking or excessive wear	Cutting disc not correctly mounted on cutting disc shaft	Check that the cutting disc is correctly mounted
	Cutting disc not sufficiently cooled.	Ensure that there is adequate water flow and sufficient water volume
	Bore of the cutting disc is out of round	Check that the cutting disc is correctly mounted
	Incorrect cutting disc for the material to be cut	Ask Kernlochbohrer GmbH for the correct cutting disc.
		If necessary, cut very soft material (sandstone, quartz stone, slag) to "resharpen" the blade
	Excessive force applied to the cutting disc	Do not force the cutting disc into place. Make a slow and even cut
Starting difficulties. Fuel is present, but there is no spark at the spark plug	Spark plug defective	Check the gap and insulation of the spark plug. Replace the spark plug if necessary.
	Deposits on spark plug	Clean the spark plug
	Incorrect electrode gap on spark plug	Adjust the electrode gap
	Ignition cable broken or short circuit	Replace ignition cable

Malfunction	Possible cause	Troubleshooting
Starting problems. Fuel and spark present at spark plug, compression correct	Deposits on spark plug	Clean spark plug
	Incorrect electrode gap on spark plug	Adjust electrode gap
	Incorrect fuel type	Flush fuel system and fill with correct fuel
	Water or dust in the fuel system	Flush the fuel system and fill with the correct fuel
	Air filter dirty	Clean or replace air filter
	Starter flap open	Close the choke
No fuel at carburettor	Fuel tank empty	Fill with fuel
	Fuel filter clogged	Clean fuel filter
	Ventilation opening of the tank cap clogged	Clean vent
	Air in fuel line	Vent fuel line
Compression correct, but misfiring	Water in the fuel system	Flush fuel system and fill with correct fuel
	Ignition coil defective	Replace ignition coil
	Deposits on spark plug	Clean spark plug
Engine overheating	Incorrect fuel type	Flush fuel system and fill with correct fuel
	Incorrect spark plug fitted	Fit the correct spark plug
	Cooling fins dirty	Clean cooling fins

8 Spare parts



ITEM	DESCRIPTION	QTY
1	handle holder	1
2	operation panel	1
3	lift handle	1
4	depth dial	1
5	bearing	1
6	pin	1
7	stop bushing	1
8	hand wheel	1
9	pin	1
10	screw rod	1
11	throttle switch	1
12	left channel	1
13	mount plate	1
14	spring support	1
15	extension spring	2
16	front board	1
17	engine	1
18	water tank	1
19	tank carriage	1
20	belt wheel	1
21	left tank handle	1
22	right tank handle	1
23	rear board	1
24	right channel	1
25	blades cover 1	1
26	connect board	1
27	blade cover plate	2
28	blade cover 2	1
29	rear wheel shaft	1
30	rear wheel	2
31	bearing 6204RS	10
32	blade slide locks	1
33	blades plate	1
34	rear wheel shaft slide locks	2
35	blade plate mount block	2
36	bearing cover	2
37	front wheel shaft	1
38	fix pin	1
39	bearing cover	1
40	front wheel	2
41	belt wheel	1
42	rubber pad 1	4
43	mounting board	1
44	rubber pad 2	4

51	screw M10X140	1
50	bearing 6001RS	2
49	wheel	1
48	wheel plate	1
47	wheel frame	1
46	protection cover	1
45	blade cover installing pad	2

57	round nut	2
56	blade main shaft	1
55	belt	1
54	wheel carriage	1
53	rack	1
52	wheel shaft	1

9 EU declaration of conformity

The manufacturer/distributor

Kernlochbohrer GmbH
Geigersbühlweg 52
72663 Großbettlingen
Germany

hereby declares that the following product

Product name:	**Floor saw**
Type:	**SuperCut 500X**

complies with all relevant provisions of the applicable legislation (below) – including any amendments thereto in force at the time of the declaration. The manufacturer is solely responsible for issuing this declaration of conformity. This declaration only applies to the machine in the condition in which it was placed on the market; parts subsequently added and/or modifications subsequently made by the end user are not taken into account.

The following legislation has been applied:

Machinery Directive 2006/42/EU (for delivery until 19 January 2027) or Machinery Regulation (EU) 2023/1230 (for delivery from 20 January 2027)

Electromagnetic Compatibility Directive 2014/30/EU

The following harmonised standards were applied:

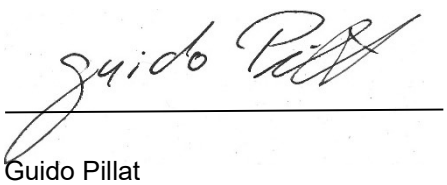
DIN EN ISO 12100:2011-03	Safety of machinery – General principles for design – Risk assessment and risk reduction
DIN EN 13862:2022-07	Floor grinders – Safety

Name and address of the person authorised to compile the technical documentation:

Kernlochbohrer GmbH
Geigersbühlweg 52
72663 Großbettlingen
Germany

Großbettlingen, 2025-11-25

Kernlochbohrer GmbH



Guido Pillat
Managing Director / Chief Executive Officer