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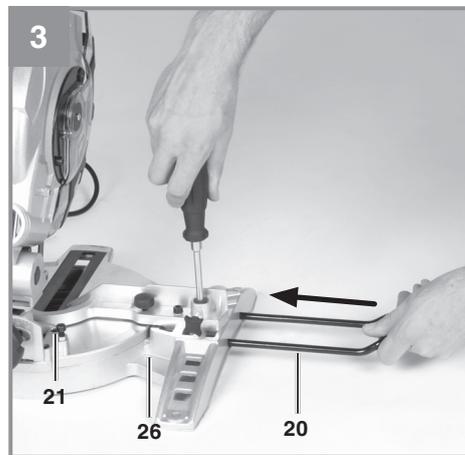
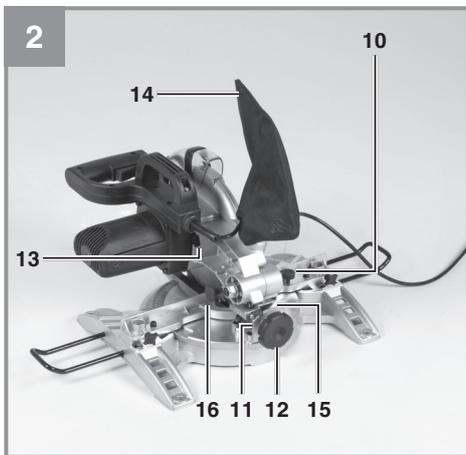
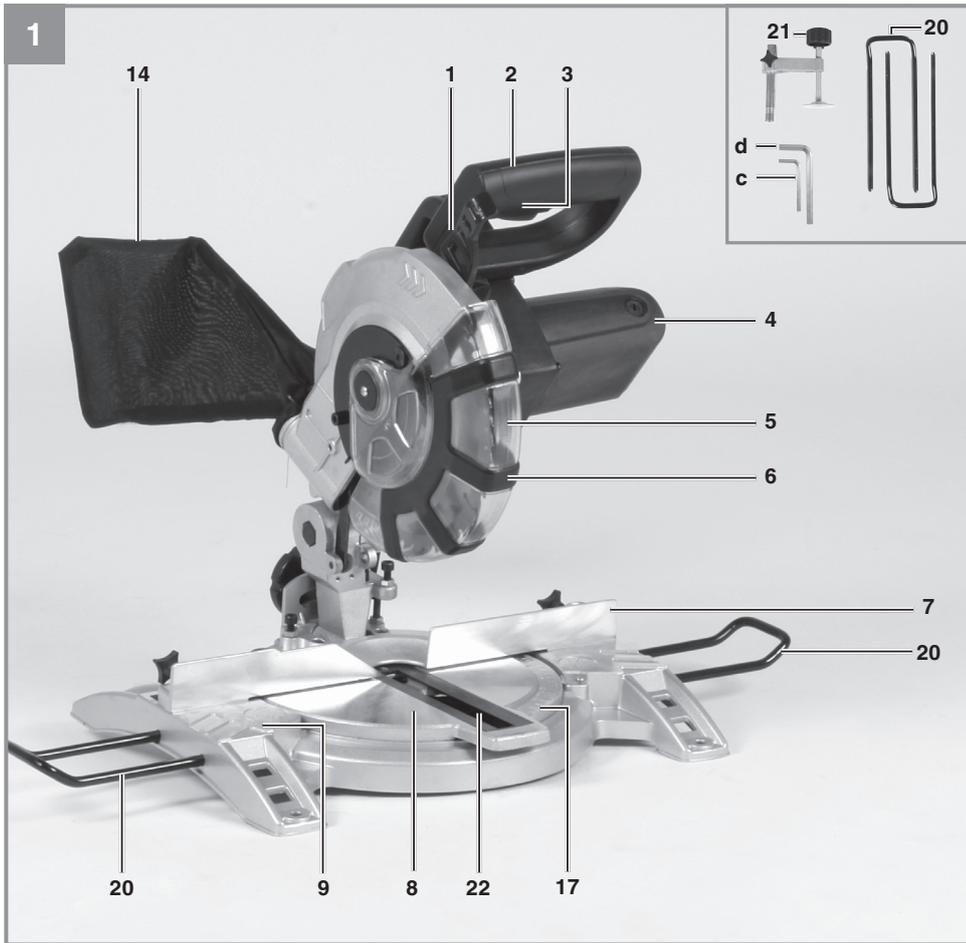
GB Original operating instructions
Miter saw

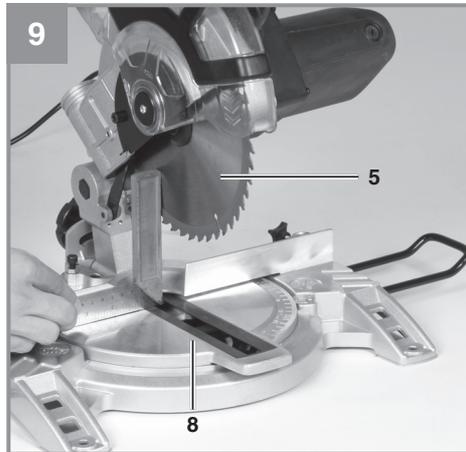
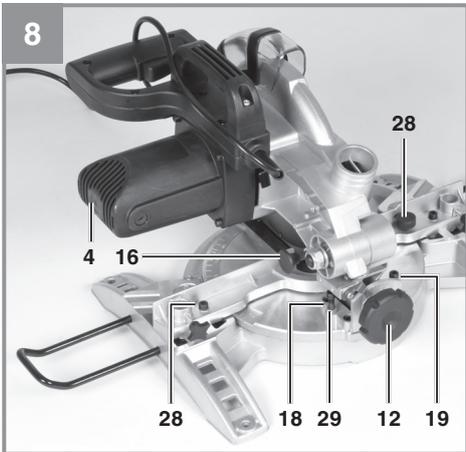
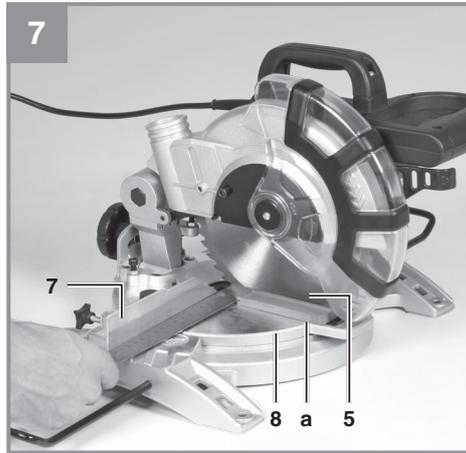
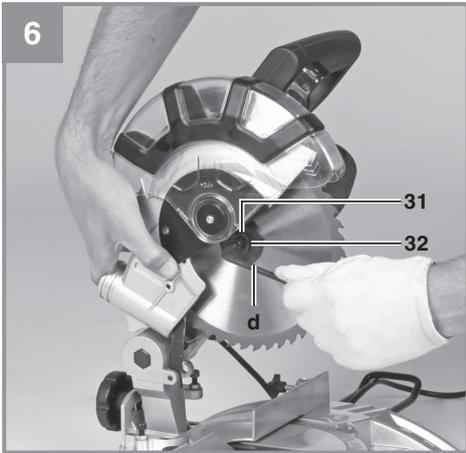
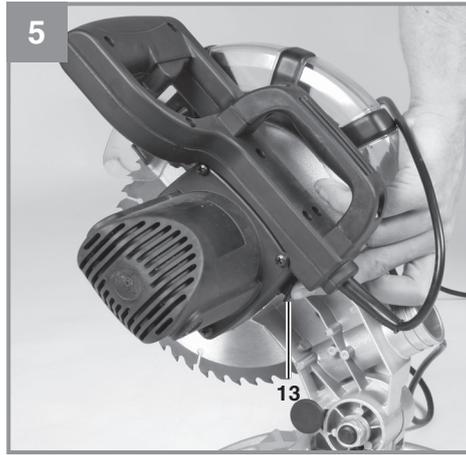
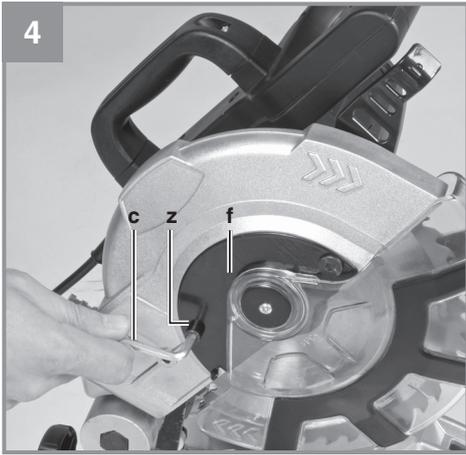
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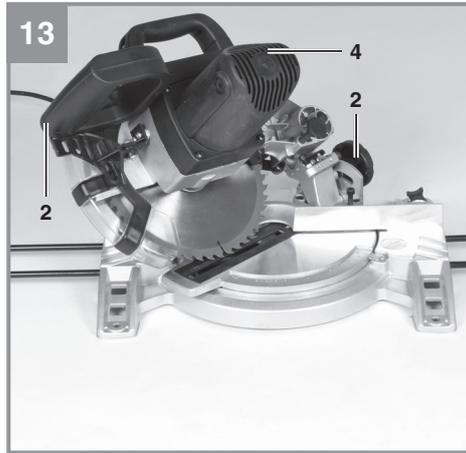
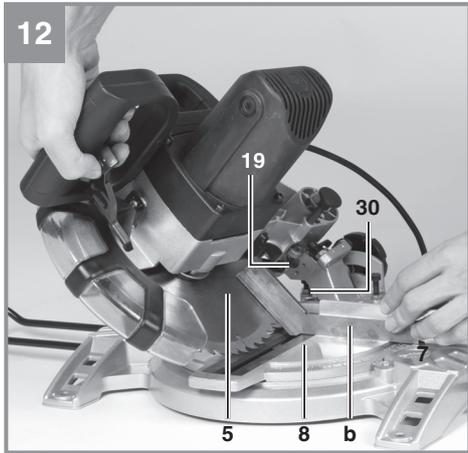
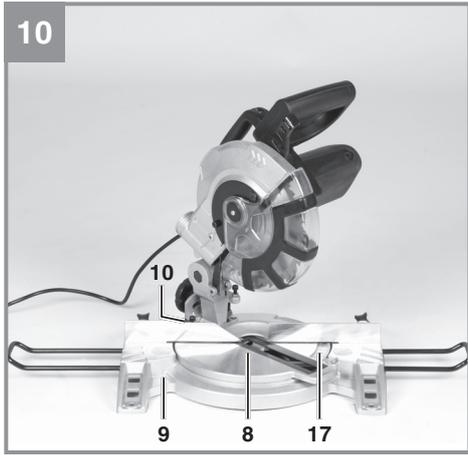
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Caution - Read the operating instructions to reduce the risk of injury



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 device to work on any materials containing asbestos!



Wear safety goggles. Sparks generated during working or splinters, chips and dust emitted by the device can cause loss of sight.



Wear protective gloves!



Caution! Risk of injury! Do not reach into the running saw blade.





⚠ Important!

When using the equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating instructions and safety regulations with due care. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, hand over these operating instructions and safety regulations as well. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety instructions.

1. Safety regulations

The corresponding safety information can be found in the enclosed booklet.

⚠ Caution!

Read all safety regulations and instructions.

Any errors made in following the safety regulations and instructions may result in an electric shock, fire and/or serious injury.

Keep all safety regulations and instructions in a safe place for future use.

2. Layout and items supplied

2.1 Layout (Fig. 1/2)

1. Release lever
2. Handle
3. ON/OFF switch
4. Machine head
5. Saw blade
6. Movable blade guard
7. Stop rail
8. Turntable
9. Stationary base plate
10. Knurled screw
11. Pointer
12. Tightening screw
13. Saw shaft lockt
14. Debris bag
15. Scale
16. Safety pin
17. Scale (turntable)
18. Setting screw 0°
19. Setting screw 45°
20. Workpiece support
21. Clamping device
22. Table insert

2.2 Items supplied

Please check that the article is complete as specified in the scope of delivery. If parts are missing, please contact our service center or the nearest branch of the DIY store where you made your purchase at the latest within 5 work days after purchasing the article and upon presentation of a valid bill of purchase. Also, refer to the warranty table in the warranty provisions at the end of the operating instructions.

- Open the packaging and take out the equipment with care.
- Remove the packaging material and any packaging and/or transportation braces (if available).
- Check to see if all items are supplied.
- Inspect the equipment and accessories for transport damage.
- If possible, please keep the packaging until the end of the guarantee period.

Important!

The equipment and packaging material are not toys. Do not let children play with plastic bags, foils or small parts. There is a danger of swallowing or suffocating!

- Crosscut and miter saw
- Carbide-tipped saw blade
- Allen key (c,d)
- Sawdust bag (14)
- Workpiece support (20)
- Clamping device (21)
- Original operating instructions
- Safety instructions



3. Proper use

The crosscut and miter saw is designed for cross-cutting wood and wood-type materials which are appropriate for the machine's size. The saw is not designed for cutting firewood.

The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer 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 machine is used in commercial, trade or industrial businesses or for equivalent purposes.

The equipment is to be operated only with suitable saw blades. It is prohibited to use any type of cutting-off wheel.

To use the equipment properly you must also observe the safety information, the assembly instructions 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 instructions and must be informed about the equipment's potential hazards. It is also imperative to observe the accident prevention 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. Even when the equipment is used as prescribed it is still impossible to eliminate certain residual risk factors. The following hazards may arise in connection with the machine's construction and design:

- Contact with the saw blade in the uncovered saw zone.
- Reaching into the running saw blade (cut injuries).
- Kick-back of workpieces and parts of workpieces.
- Saw blade fracturing.
- Catapulting of faulty carbide tips from the saw blade.
- Damage to hearing if ear-muffs are not used as necessary.
- Harmful emissions of wood dust when used in closed rooms.

4. Technical data

Asynchronous motor.....	230 V ~ 50 Hz
Input power S1 1400 Watt / S6 40% 1600 Watt	
Idle speed n_0	5000 rpm
Carbide saw blade	$\varnothing 210 \times \varnothing 30 \times 2,8$ mm
Number of teeth	48
Weight.....	7,1 kg
Tilting range	-45° / 0° / +45°
Mitre cuts	0° to 45° to the left
Sawing width at 90°	max. 120 x 55 mm
Sawing width at 45°	max. 80 x 55 mm
Sawing width at 2 x 45° (double mitre cuts)	80 x 32 mm

Operating mode S6 40%: Continuous operation with idling (cycle time 10 minutes). To ensure that the motor does not become excessively hot it may only be operated for 40% of the cycle at the specified rating and must then be allowed to idle for 60% of the cycle.

Sound and vibration

Sound and vibration values were measured in accordance with EN 61029.

L_{pA} sound pressure level	88.7 dB(A)
K_{pA} uncertainty	3 dB
L_{WA} sound power level	101.7 dB(A)
K_{WA} uncertainty	3 dB

Wear ear-muffs.

The impact of noise can cause damage to hearing.

Total vibration values (vector sum of three directions) determined in accordance with EN 61029.

Vibration emission value $a_h = 2.70 \text{ m/s}^2$
K uncertainty = 1.5 m/s^2



Warning!

The specified vibration value was established in accordance with a standardized testing method. It may change according to how the electric equipment is used and may exceed the specified value in exceptional circumstances.

The specified vibration value can be used to compare the equipment with other electric power tools.

The specified vibration value can be used for initial assessment of a harmful effect.

Keep the noise emissions and vibrations to a minimum.

- Only use appliances which are in perfect working order.
- Service and clean the appliance regularly.
- Adapt your working style to suit the appliance.
- Do not overload the appliance.
- Have the appliance serviced whenever necessary.
- Switch the appliance off when it is not in use.

Residual risks

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

1. Lung damage if no suitable protective dust mask is used.
2. Damage to hearing if no suitable ear protection is used.
3. Health damage caused by hand-arm vibrations if the equipment is used over a prolonged period or is not properly guided and maintained.

5. Before starting the equipment

Before you connect the equipment to the mains supply make sure that the data on the rating plate are identical to the mains data.

Always pull the power plug before making adjustments to the equipment.

5.1 General information

- The equipment must be set up where it can stand securely, i.e. it should be bolted to a workbench, a universal base frame or similar.
- 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.

5.2 Setting up the saw (Fig. 3)

The workpiece supports must be inserted and tightened using a Phillips screwdriver. Screwdriver not included in delivery.

5.3 Adjusting the saw (Fig. 1/2)

- To adjust the turntable (8), loosen the knurled screw (10) by approx. 2 turns, which frees the turntable.
- The turntable has locking points at angles of 0°, 5°, 10°, 15°, 22,5°, 30°, 35°, 40°, 45°. Once the turntable is engaged, the setting must be additionally secured by tightening the knurled screw (10).
- If different angle settings are required, the turntable (8) may be secured in position using only the knurled screw (10).
- Lightly press the machine head (4) down while at the same time pulling the retaining pin (16) out from the motor mounting; this causes the saw to move down to the lower working position.
- Swing up the machine head (4).
- By loosening the lock screw (12), the machine head (4) can be angled to the left up to 45°.
- Check that the voltage marked on the rating plate is the same as your mains voltage and connect up the machine.

5.4 Precision adjustment of the stop rail (Fig. 7/8)

- Lower the machine head (4) and fasten in place with the safety pin (16).
- Fasten the turntable (8) in 0° position.
- Place the 90° stop angle (a) between the blade (5) and the stop rail (7).
- Slacken the adjustment screws (28), set the stop rail (7) to 90° in relation to the saw blade (5) and retighten the adjustment screws (28).

5.5 Precision adjustment of the stop for 90° cross-cuts (Fig. 8-10)

- Lower the machine head (4) and fix with the lock pin (16).
- Slacken the tightening screw (12).
- Place the stop angle (a) between the saw blade (5) and the rotary table (8).
- Slacken the counter nut (29) and adjust the setting screw (18) until the angle between the saw blade (5) and the rotary table (8) equals 90°.
- Re-tighten the counter nut (29) to fix the machine in this setting.
- Finally, check the position of the angle indicator (11). If necessary, release the pointer with a crosstip screwdriver, move to the 0° position of the angle scale (15) and retighten the holding screw.
- No stop angle included.

5.6 Precision adjustment of the stop for 45° mitre cuts (Fig. 8/12)

- Lower the machine head (4) and fix with the lock pin (16).
- Fix the rotary table (8) in 0° position.
- Undo the tightening screw (12) and use the handle (2) to tilt the machine head (4) to the left until it coincides at 45°.
- Place the 45° stop angle (b) between the saw blade (5) and the rotary table (8).
- Slacken the counter nut (30) and adjust the setting screw (19) until the angle between the saw (5) and the rotary table (8) equals exactly 45°.
- No stop angle included.

6. Operation

6.1 Crosscut 90° and turntable 0° (Fig. 1)

- Press the main switch (3) to turn on the saw.
- Important. Place the material for sawing firmly on the machine surface, to prevent it from moving during the sawing process.
- After switching on the saw, wait for the blade (5) to reach its maximum speed.
- Press the release lever (1) sideways and, using the handle (2), apply steady and light downward pressure to move the machine head through the workpiece.
- When the cut is completed, return the machine to its top parking position and let go of the On/Off switch.
- Caution! A return spring causes the machine head to rise automatically at the end of the cut. Do not let go of the handle (2) as soon as the cut is completed but steady the machine head and allow it to rise slowly.

6.2 90° cross-cuts and 0°-45° rotary table (Fig. 10)

The crosscut saw can be used to make right and left angular cuts of 0°- 45° in relation to the stop rail.

- Lift the machine head (4) to its top position.
- Release the turntable (8) by slackening the locking grip (10).
- Using the handle (2), set the turntable (8) to the desired angle, i.e. the marking on the turntable must coincide with the desired angular setting (17) on the stationary base plate (9).
- Re-tighten the locking handle (10) in order to fix the rotary table (8) in position.
- Make the cut as described in Section 6.1).

6.3 Mitre cuts 0°-45° and rotary table 0° (Fig. 8/11)

The crosscut saw can be used to make mitre cuts of 0° - 45° in relation to the work face.

- Lift the machine head (4) to its top position.
- Fix the rotary table (8) in 0° position.
- Undo the tightening screw (12) and use the handle (2) to tilt the machine head (4) to the left until the pointer (11) coincides with the required angle value (15).
- Re-tighten the locking nut (12) and make the cut as described in Section 6.1).



6.4 Mitre cuts 0°-45° and rotary table 0°-45° (Fig. 8/13)

The crosscut saw can be used to make miter cuts to the left of 0° - 45° in relation to the work face and, at the same time, 0° - 45° in relation to the stop rail (double miter cut).

- Lift the machine head (4) to its top position.
- Release the turntable (8) by slackening the locking grip (10).
- Adjust the rotary table (8) by its handle (2) to the required angle (see also Section 6.2).
- Retighten the tightening screw (10) in order to secure the turntable in place.
- Undo the tightening screw (12) and use the handle (2) to tilt the machine head (4) to the left until it coincides with the required angle value (in this connection see also section 6.3).
- Screw the tightening screw (12) back down again.

6.5 Sawdust bag (Fig. 2)

The saw is equipped with a debris bag (14) for sawdust and chips.

The debris bag (14) can be emptied by means of a zipper at the bottom.

6.6 Replacing the saw blade (Fig. 1-6)

- Before changing the saw blade: Remove the power plug!
- Wear work gloves to prevent injury when changing the saw blade.
- Swing the machine head upwards (4).
- Undo the screw (z) on the cover plate (f) of the saw blade.
- Pull back the adjustable blade guard (6) and at the same time turn the cover plate to achieve access to the flange bolt.
- Press the saw shaft lock (13) with one hand while positioning the Allen key (d) on the flange bolt (31) with the other hand. The saw shaft lock (13) engages after no more than one rotation.
- Now, using a little more force, slacken the flange screw (31) in the clockwise direction.
- Turn the flange screw (31) right out and remove the external flange (32).
- Take the blade (5) off the inner flange and pull out downwards.
- Carefully clean the flange screw (31), outer flange (32) and inner flange.
- Fit and fasten the new saw blade (5) in reverse order.
- Important. The cutting angle of the teeth, in other words the direction of rotation of the

saw blade (5) must coincide with the direction of the arrow on the housing.

- Check to make sure that all safety devices are properly mounted and in good working condition before you begin working with the saw again.
- Important. Every time that you change the saw blade, check to see that it spins freely in the table insert (22) in both perpendicular and 45° angle settings.
- Important. The work to change and align the saw blade (5) must be carried out correctly.

7. Replacing the power cable

If the power cable for this equipment is damaged, it must be replaced by the manufacturer or its after-sales service or similarly trained personnel to avoid danger.

8. Cleaning, maintenance and ordering of spare parts

Always pull out the mains power plug before starting any cleaning work.

8.1 Cleaning

- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- We recommend that you clean the device immediately each time you have finished using it.
- Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device. The ingress of water into an electric tool increases the risk of an electric shock.

8.2 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.



8.3 Maintenance

- There are no parts inside the equipment which require additional maintenance.
- Lubricate all moving parts at regular intervals.

8.4 Ordering replacement parts:

Please quote the following data when ordering replacement parts:

- Type of machine
- Article number of the machine
- Identification number of the machine
- Replacement part number of the part required

For our latest prices and information please call 1300 922 271.

9. 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. Never place defective equipment in your household refuse. The equipment should be taken to a suitable collection center for proper disposal. If you do not know the whereabouts of such a collection point, you should ask in your local council offices.

10. 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.

Warranty provisions

Einhell Australia or the store where you made your purchase guarantees the repair of defects or replacement of the equipment in accordance with the overview below. Statutory guarantee claims are unaffected.

Category	Example	Warranty
Defect with regard to material or construction		24 months
Wear parts*	Carbon brushes	6 months
Consumables*	Saw blade	Warranty only in case of an immediate defect (24 hours after purchase / date on the bill)
Missing parts		5 work days

* Not necessarily included in the scope of delivery!

For consumables, wear parts and missing parts Einhell Australia guarantees the correction of defects or a new delivery only if the defect is reported within 24 hours (consumables), 5 work days (missing parts) or 6 months (wear parts) after purchase and the purchase date is verified with the bill.

In case of defects concerning the material or construction, we kindly request you to submit the equipment together with the fully completed warranty card supplied with the equipment. It is important that you enter an exact description of the defect.

To do so, answer the following questions:

- Did the equipment work at all or was it defective from the beginning?
- Did you notice anything (symptom or defect) prior to the failure?
- What malfunction does the equipment have in your opinion (main symptom)?
Describe this malfunction.



The guarantee provided in this Guarantee Certificate is given by Einhell Australia Pty Limited
ACN 134 632 858 of 6/166 Wellington Street, Collingwood, Victoria (Telephone number 1300 922 271)
(Einhell Express Guarantee).

GB GUARANTEE CERTIFICATE

Dear Customer,

All of our products undergo strict quality checks. In the unlikely event that your device develops a fault, please contact our service department at the address shown on this guarantee certificate. Of course, if you would prefer to call us then we are also happy to offer our assistance under the service number printed below. Please note the following terms under which claims under the Einhell Express Guarantee can be made:

1. The benefits conferred by the Einhell Express Guarantee are in addition to all rights and remedies which you may be entitled to under the Australian Consumer Law, and any other statutory rights you may have under other applicable laws. This Einhell Express Guarantee does not exclude, restrict or modify any such rights or remedies.

We do not charge you for the Einhell Express Guarantee.

2. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
3. The Einhell Express Guarantee only covers problems caused by material or manufacturing defects, and our liability under the Einhell Express Guarantee is limited, at our discretion, to the rectification of these defects or replacement of the product. Please note that the product has not been designed for use in commercial, trade or industrial applications. Consequently, the Einhell Express Guarantee will not apply if the product is used in commercial, trade or industrial applications or for other equivalent activities.
4. The following are also excluded from the Einhell Express Guarantee: compensation for transport damage, damage caused by failure to comply with the installation/assembly instructions or damage caused by unprofessional installation, failure to comply with the operating instructions (e.g. connection to the wrong mains voltage or current type), misuse or inappropriate use (such as overloading of the product or use of non-approved tools or accessories), failure to comply with the maintenance and safety regulations, ingress of foreign bodies into the product (e.g. sand, stones or dust), effects of force or external influences (e.g. damage caused by the product being dropped) and normal wear resulting from proper operation of the product. The Einhell Express Guarantee will also not apply if any attempt is made to tamper with the product.
5. The Einhell Express Guarantee is valid for a period of 2 years starting from the purchase date of the product. Claims made under the Einhell Express Guarantee should be submitted before the end of this guarantee period and within two weeks of the defect being noticed. No claims under the Einhell Express Guarantee will be accepted if submitted after the end of this guarantee period. The original guarantee period remains applicable to the device even if repairs are carried out or parts are replaced. In such cases, the work performed or parts fitted will not result in an extension of the guarantee period for the Einhell Express Guarantee, and the Einhell Express Guarantee will not apply for the work performed or parts fitted. This also applies when an on-site service is used.
6. To make a claim under the Einhell Express Guarantee, please send the relevant product postage-free to the address shown below and enclose either the original or a copy of your sales receipt or another dated proof of purchase. It would help us if you could describe the nature of the problem in as much detail as possible. If the defect is covered by the Einhell Express Guarantee, your product will be repaired immediately and returned to you, or we will send you a new device (at our election).

Any costs incurred by you in making a claim under this Einhell Express Guarantee, unless specified otherwise in this guarantee certificate, must be borne by you.

Of course, we are also happy to offer a chargeable repair service for any defects which are not covered by the scope of the Einhell Express Guarantee or for products which are no longer covered by the Einhell Express Guarantee. To take advantage of this service, please send the product to our service address.

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