ROKAMAT
easy working

Piranha Cutter

Art.-Nr. 90200

CE

1) Rokamat Piranha Cutter (21PC0165)
2) 2014/30/EU, 2006/42/EG, 2012/19/EU, 2011/65/EU, 2001/95/EG, EG No. 1907/2006
3) EN 60745-1:2009/A11:2010, EN 60745-2-22:2011 + A11:2013; EN ISO 12100:2010-11
4) Kammerer GmbH, An der B 10, 75196 Remchingen

Remchingen, 20.12.2021

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Head of Technical Documentation

ROKAMAT

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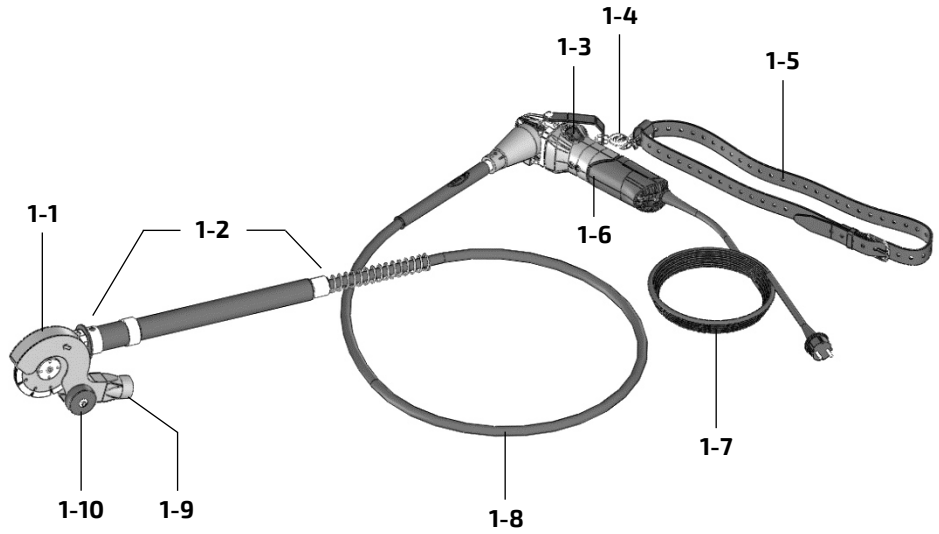
An der B 10
75196 Remchingen
Deutschland

www.rokamat.com

[1]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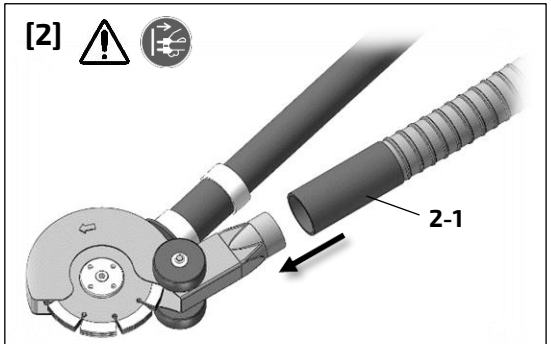
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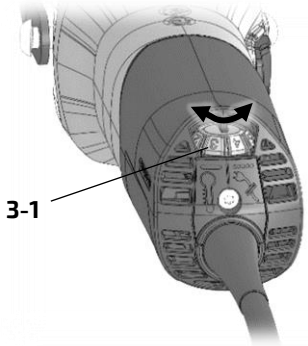
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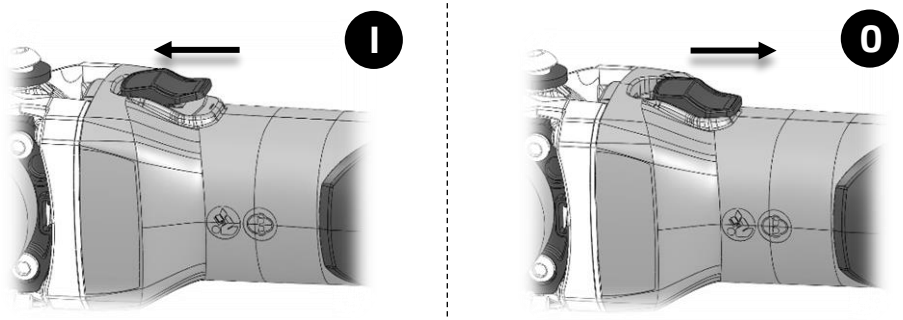
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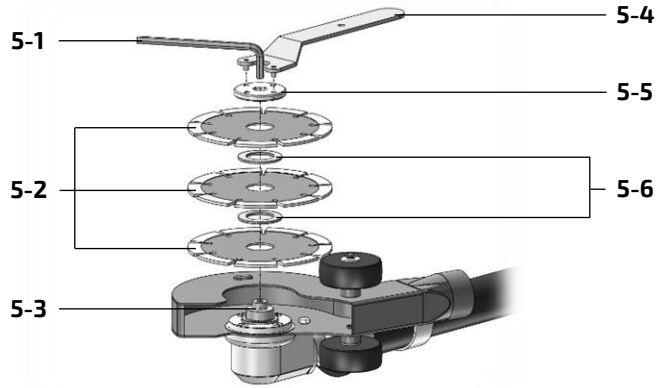
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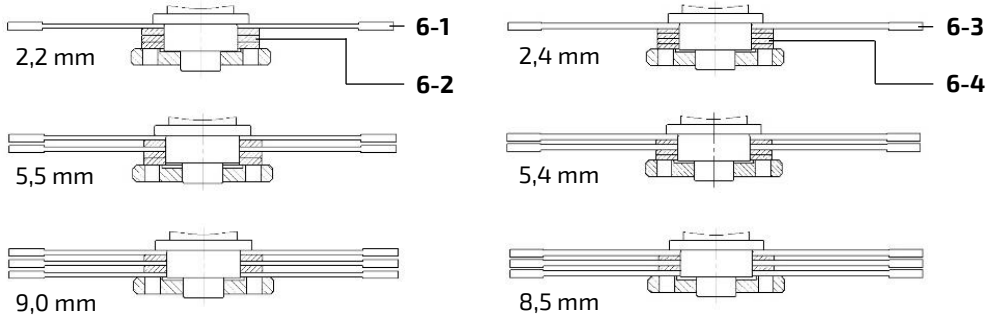
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Ø125 mm
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5,5 mm
5,4 mm
9,0 mm
8,5 mm

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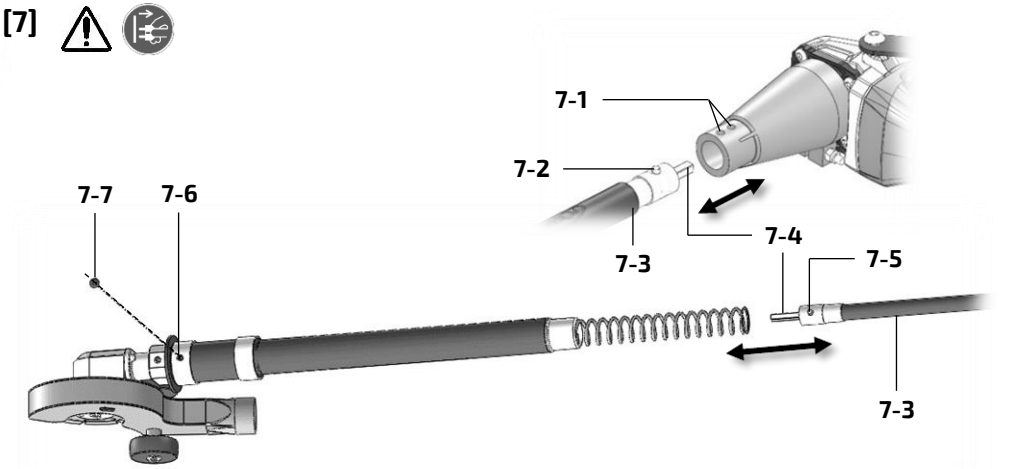
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Contents

1. Symbols

For your own protection and for the protection of your power tool, pay attention to all parts of the text that are marked with this symbol!


Risk of electric shock!


Read operating instructions and safety notices! *)


Wear protective goggles! *)


Wear ear protection!


Wear a dust mask!


Disconnect from the power supply!


Two-hand operation *)


Do not dispose of as domestic waste! *)


Important advice/information


Safety class I *)

~ Alternating current *)

CE Confirms the conformity of the power tool with the directives of the European Community. *)

UK CA Confirms the conformity of the power tool with UK legislation. *)

*) These symbols are (also) on the device.

2. Safety Instructions

For your safety

WARNING!

Read all safety warnings and instructions. *Failure to follow all safety warnings and instructions may result in electric shock, fire and/or serious injury.*

Do not use this power tool before you have thoroughly read and completely understood this Instruction Manual and the enclosed "General Safety Instructions".

Keep all safety instructions and information for future reference. Pass on your power tool only together with these documents.

Please also observe the relevant national industrial safety regulations.

Special Safety Instructions

Safety Warnings for wall chaser:

a] **The guard provided with the tool must be securely attached to the power tool and positioned for maximum safety, so the least amount of wheel is exposed towards the operator. Position yourself and bystanders away from the plane of the rotating wheel.** *The guard helps to protect operator from broken wheel fragments and accidental contact with wheel.*

b] **Use only diamond cut-off wheels for your power tool.** *Just because an accessory can be attached to your power tool, it does not assure safe operation.*

c] **The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool.** *Accessories running faster than their rated speed can break and fly apart.*

d] **Wheels must be used only for recommended applications. For example: do not grind with the side of cut-off wheel.** *Abrasive cut-off wheels are intended for peripheral grinding, side forces applied to these wheels may cause them to shatter.*

e] **Always use undamaged wheel flanges that are of correct diameter for your selected wheel.** *Proper wheel flanges support the wheel thus reducing the possibility of wheel breakage.*

f] **The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool.** *Incorrectly sized accessories cannot be adequately guarded or controlled.*

g] **The arbour size of wheels and flanges must properly fit the spindle of the power tool.** *Wheels and flanges with arbour holes that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.*

h] **Do not use damaged wheels. Before each use, inspect the wheels for chips and cracks. If power tool or wheel is dropped, inspect for damage or install an undamaged wheel. After inspecting and installing the wheel, position yourself and bystanders away from the plane of the rotating wheel and run the power tool at maximum no load speed for one minute.** *Damaged wheels will normally break apart during this test time.*

i] **Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and shop apron capable of stopping small abrasive or workpiece fragments.** *The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtrating particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.*

j] **Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment.** *Fragments of workpiece or of a broken wheel may fly away and cause injury beyond immediate area of operation.*

k] **Hold the power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** *Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.*

l] **Position the cord clear of the spinning accessory.** *If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning wheel.*

m] **Never lay the power tool down until the accessory has come to a complete stop.** *The spinning wheel may grab the surface and pull the power tool out of your control.*

n] **Do not run the power tool while carrying it at your side.** *Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.*

o] **Regularly clean the power tool's air vents.** *The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.*

p] **Do not operate the power tool near flammable materials.** *Sparks could ignite these materials.*

q] **Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution or shock.

Kickback and related warnings

Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory's rotation at the point of the binding.

For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions.

Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

a] **Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up.** *The operator can control torque reactions or kickback forces, if proper precautions are taken.*

b] **Never place your hand near the rotating accessory.** *Accessory may kickback over your hand.*

c] **Do not position your body in the area where power tool will move if kickback occurs.** *Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.*

d] **Use special care when working corners, sharp edges, etc. Avoid bouncing and snagging the accessory.** *Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.*

e] **Do not attach a saw chain, woodcarving blade, segmented diamond wheel with a peripheral gap greater than 10 mm or toothed saw blade.** *Such blades create frequent kickback and loss of control over the power tool.*

f] **Do not "jam" the wheel or apply excessive pressure. Do not attempt to make an excessive depth of cut.** *Overstressing the wheel increases the loading and susceptibility to twisting or binding of the wheel in the cut and the possibility of kickback or wheel breakage.*

g] **When wheel is binding or when interrupting a cut for any reason, switch off the power tool and hold the power tool motionless until the wheel comes to a complete stop. Never attempt to remove the wheel from the cut while the wheel is in motion otherwise kickback may occur.** *Investigate and take corrective action to eliminate the cause of wheel binding.*

h] **Do not restart the cutting operation in the workpiece. Let the wheel reach full speed and carefully re-enter the cut.** *The wheel may bind, walk up or kickback if the power tool is restarted in the workpiece.*

i] **Support panels or any oversized workpiece to minimize the risk of wheel pinching and kickback. Large workpieces tend to sag under their own weight.** *Supports must be placed under the workpiece near the line of cut and near the edge of the workpiece on both sides of the wheel.*

j] **Use extra caution when making a "pocket cut" into existing walls or other blind areas.** *The protruding wheel may cut gas or water pipes, electrical wiring or objects that can cause kickback.*

Additional safety instructions

Particles generated when working with this machine may contain substances that can cause cancer, allergic reactions, respiratory diseases, birth defects or other propagation defects. Some of these substances include: Lead (in paint containing lead), mineral dust (from bricks, concrete etc.), additives used for wood treatment (chromate, wood preservatives), some wood types (such as oak or beech dust), metals, asbestos.

The risk depends on for how long the user or nearby persons are exposed to the substance.

This dust must not be allowed to enter your body. Do the following to reduce exposure to these substances:

- *Ensure good ventilation of the workplace.*
- *Wear appropriate protective equipment, such as respirators able to filter microscopically small particles.*
- *To protect your health, wear a suitable protective mask.*
- *Always wear protective goggles to protect against sanding hazards.*
- *Connect the electric power tool to a suitable extraction system.*
- *Sweeping or blowing stirs up dust.*
- *Vacuum or wash the protective clothing. Do not blow, beat or brush.*

Collect the generated particles at the source, avoid deposits in the surrounding area.

Observe the relevant guidelines for your material, staff, application and place of application (e.g. occupational health and safety regulations, disposal).

If potentially explosive or self-igniting dust is produced during sanding, the machining instructions issued by the material manufacturer must always be followed.

Always use an antistatic suction hose with the power tool. A slight electric shock may cause you to panic briefly and become distracted, which may result in an accident.

When the safety clutch responds, switch off the machine immediately!

Do not overload the motor for a long period. Engine noise should be regular (not wave-like). Unsteady engine performance can be perceived acoustically.

Take a break when the machine is heated up strongly and let it cool down again. To that let the motor idle at top speed for some time.

Don't bend the flexible drive shaft!

Don't put the running motor on the ground! Dirt may get sucked in and cause damage.

Always use original ROKAMAT abrasives. Foreign abrasives are not suitable for the speed of the sander and may break.

Pull the plug out of the socket before making any adjustments, converting or servicing the machine.

Ensure sufficient cable clearance. Use only extension cables permitted for outdoor use.

Keep the carry case out of reach of children. Children may suffocate or be strangled when playing with the carry case.

Emission levels

NOTE! *Values for the A-weighted sound pressure level and for the total vibration values can be found in the "Technical specifications" table at page 9.*

The vibration emission level given in this information sheet has been measured in accordance with a standardized test and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.

CAUTION! *The indicated measurements refer to new power tools. Daily use causes the noise and vibration values to change.*

The declared vibration emission level represents the main applications of the tool. However, if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period. However, if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly decrease the exposure level over the total working period.

CAUTION! The noise produced during work may damage your hearing.
Wear ear protection!

3. Intended Use

The hand-guided wall chaser **Piranha Cutter** is intended for:

- Milling of clinker joints
- Milling of swimming pool joints
- Milling of grooves such as cable slots in masonry and stone material as well as concrete

During operation, the power tool must rest firmly on the guiding wheels. At all times, working must be carried out without using or applying any water. The **Piranha Cutter** is only intended for use with Rokamat diamond cutting discs and accessories. The instructions for the correct use of the tool must be observed. The tool may only be operated in combination with a suitable vacuum cleaner.

Only sufficiently qualified and trained personnel is allowed to work with the grinder.

The intended use includes the observance of the operating instructions, in particular the safety instructions and the observance of generally recognized accident prevention regulations.

4. Technical Specifications

Wall chaser *Piranha Cutter* Item no. 90200	
Rated voltage	230 V AC
Frequency	50 Hz
Power	1500 W
No-load speed n_0	2600-9100 min^{-1}
Threaded spindle	M12x1,5
Tool diameter	115/125 mm
Maximum number of diamond cutting discs	3
Tool holder weight	1,7 kg
Total weight	5,8 kg
Dimension compact (LxHxW)	800 x 180 x 430 mm
Cable length	5,0 m
Safety class	I / ⏚
A-weighted sound pressure level (see cap. 2 "Emission levels"):	
Sound pressure level L_{pA}	102 dB(A)
Sound power level L_{WA}	113 dB(A)
Uncertainty K_{pA}, K_{WA}	3,0 dB
Total vibration value (see cap. 2 "Emission levels"):	
Emmission value a_h	6,4 m/s^2
Uncertainty K	1,5 m/s^2

5. Device Components

The specified illustrations can be found in fig. **[1]** on page 2 of the operating instructions.

1-1 Guard
1-2 Handhold (Gripping surface)
1-3 Slide switch
1-4 Carabiner
1-5 Belt

1-6 Motor (with gripping surface)
1-7 Mains cable
1-8 Flexible drive shaft
1-9 Intake socket
1-10 Guide wheels

6. Commissioning

WARNING!

Unauthorised voltage or frequency!
Risk of accident!
The mains voltage and the frequency of the power source must correspond with the specifications on the machine's name plate.
Only connect the tool to a grounded power supply.

CAUTION!

Before switching on the power tool: Unpack power tool and accessories and check that no parts are missing or damaged.

Connecting the dust extraction system [2]

Push the suction hose **[2-1]** onto the intake socket **[1-9]**. Check for correct fit! If necessary, use a suitable adapter. See also chapter 7.

Motor mounting

The motor **[1-6]** is not allowed to be placed on the floor during operation, but must be hooked in the carabiner **[1-4]** of the provided belt **[1-5]** (resp. shoulder belt).

Switching the electric power tool on and off [4]

Switching on: Push the sliding switch **[1-3]** forward. For continuous activation, now tilt downwards until it engages.

Switching off: Press the rear end of the slide switch **[1-3]** and release it.

7. Instructions for Use

WARNING!

Risk of injury, electric shock!
Always pull the mains plug out of the socket before performing any type of work on the machine!

Attaching and changing the diamond cutting discs [5]

- Put the diamond cutting discs **[5-2]** on the spindle thread **[5-3]**. **Align the direction of rotation arrows on the diamond cutting disc [5-2] and the machine.**
- Fit the spacer discs **[5-6]**, then fit the other diamond cutting disc(s) **[5-2]** and the clamping flange with undercut facing downwards **[5-5]**.
- Tighten the clamping flange **[5-5]** firmly clockwise with the face spanner **[5-4]** while locking the spindle **[5-3]** with the hexagon socket spanner SW5 **[5-1]**.
- Removing in reverse order.

Adjusting the groove width (the distance between the two diamond wheels) [6]

CAUTION!

When using spacer discs, pay attention to the correct thickness:
For diamond cutting discs 115 mm → 2,0 mm
For diamond cutting discs 125 mm → 1,5 mm

Adjust the groove width by changing the number of diamond cutting discs and space discs as indicated in the overview.
To the illustrations in fig. **[6]**:

6-1 Diamond cutting disc **Ø115 mm**
6-2 Space discs 22,2x35x**2** (Item no. 18440)
6-3 Diamond cutting disc **Ø125 mm**
6-4 Space discs 22,2x35x**1,5** (Item no. 18441)

Adjusting the speed [3]

Set the recommended speed at the thumbwheel **[3-1]**. (small number = low speed; large number = high speed).

Dust extraction

WARNING!

Health hazard posed by dust!
Always work with an extractor. Comply with national regulations.

The dust extraction system offered on our website is adapted to the quantity of dust generated and permanently ensure the necessary suction power.

ADVICE!

Always use an antistatic suction hose! This helps reduce the electrostatic charge.

8. Working with the Power Tool

CAUTION!

First keep the diamond wheels without making any contact with a workpiece. Then turn the tool on and wait until the diamond wheels attain full speed.

Use this tool for straight line cutting only! Cutting curves can cause stress cracks or fragmentation of the diamond wheels resulting in possible injury to persons in the vicinity.

1. Attach diamond cutting discs.
2. Connect dust extraction system.
3. Attach motor to (shoulder) belt.
4. Insert mains plug.
5. Set required speed.
6. Switch on dust extraction system.
7. Hold the tool firmly with both hands.
8. Switch on the device.
9. Place the wall chaser with both guide rollers and then plunge it into the wall/joint to the desired depth.
10. Pull the tool slowly **toward you – not push away from you!**
11. Remove the remaining portion between the two blade passages by other appropriate tools.

After finishing work

Once you have finished the grinding work, set the power tool down.

CAUTION!

After operation, always switch off the tool and wait until the diamond wheels come to a complete stop before putting the tool down.

9. Maintenance and Care

WARNING!

Risk of injury, electric shock!
Always disconnect the mains plug from the socket before performing maintenance work on the machine!

Repairs may be carried out by an authorized customer service center only!

Repairs to electrical tools must be carried out by qualified electricians only.

Check the plug and the cable regularly and should either become damaged, in order to avoid a hazard, have them replaced by an authorized customer service center.

During the warranty period do not loosen the screws on the housing. Non-compliance will deem the guarantee obligations of the manufacturer null and void.

Remove dust from the motor regularly

It is possible that particles deposit inside the power tool during operation. This impairs the cooling of the power tool. Conductive build-up can impair the protective insulation of the power tool and cause electrical hazards.

The power tool should be cleaned regularly, often and thoroughly through all front and rear air vents using a vacuum cleaner or by blowing in dry air. Prior to this operation, separate the power tool from the power source and wear protective glasses and dust mask.

Replacement of the flexible drive shaft [7]

CAUTION!

The two boreholes for the push button at the drive shaft serve as length adjustment between shaft core and protective hose. The shaft core should be freely movable in length and must not get compressed!

Disassembling: On the motor side, press in the press button **[7-2]** in the borehole **[7-1]** with a tool (e.g. screwdriver) and pull out the protective hose **[7-3]**. Now the shaft core **[7-4]** can be replaced.

To replace the protective hose **[7-3]**, it must also be loosened on the side of the tool holder. To do this, remove the plastic plug **[7-7]** and turn the protective hose **[7-3]** until the press button **[7-5]** is visible in the borehole **[7-6]**. Press this in with a tool (e.g. screwdriver) and pull out the protective hose **[7-3]**.

Mounting: In reverse order. Make sure that the shaft core **[7-4]** is threaded into the square in each case.

Handling and storage

Operation

Temperature range: +5° C to +50° C
Humidity: ≤ 85 %, non-condensing
Climate: dry

Transport and storage
Temperature range: -5° C to +55° C
Humidity: 0 % to 70 %
Climate: dry, roofed, dew protected

10. Spare Parts and Accessories

Other accessories, in particular insertion tools, can be found in the manufacturer's catalogues. Exploded drawings and spare-part lists can be found on our homepage: www.rokamat.com.

Use only original ROKAMAT spare parts and work tools!

11. Environmental Protection

The generated grinding dust may contain harmful substances. Dispose appropriately.

Observe national regulations on environmentally compatible disposal and on the recycling of disused machines, packaging and accessories.

For Great Britain and EU countries: Never dispose of power tools in your household waste! In accordance with WEEE relating for electrical and electronic waste and implementation of national law, used electrical tools must be collected separately and disposed of in an environmentally friendly manner at recycling centers.
Separate the motor from the rest of the machine before disposal. Make used tools unusable by removing the mains cable.

ADVICE!
Please ask your dealer about disposal options!

12. Declaration of Conformity

It is expressly declared that the cut-off machine (wall chaser) listed on the first page under 1) from the serial number indicated onwards complies with all relevant provisions of the directives or regulations listed in 2) and that the harmonized standards listed in 3) have been applied. The technical documentation is available from the authorized documentation agent named in 4).

13. Troubleshooting

Problem	**Possible causes**	**Remedy**
Motor runs, but the supporting plate does not rotate.	Shaft core broken.	Exchange shaft core.
The electronic signal display **[3-1]** lights up and the load speed decreases.	There is too much load on the machine.	Run the machine in idling until the electronics signal indicator switches off.
The machine does not start. The electronic signal display **[3-1]** flashes.	The restart protection is active. If the mains plug is inserted with the machine switched on, or if the power supply is restored following an interruption, the machine does not start up.	Switch the machine off and on again.
Motor power fluctuates.	Carbon brushes worn.	Replace carbon brushes.
Piranha Cutter not working.	Cable break.	Replace mains plug.
	Interruption to power supply.	Switch the power tool off and on again.
Piranha Cutter does not run smoothly in the workpiece.	Hard masonry or hard mortar.	Reduce the speed.
	Particles between cutting discs.	Remove the particles.
	Incorrect groove width selected.	Adjust groove width.
Excessive material removed from workpiece.	Speed to high.	Reduce the speed.
Electrostatic charge.	Machine not grounded.	Use antistatic suction hose with suitable vacuum cleaner.
Extraction power is insufficient.	Filter element on the dust extraction system is blocked/clogged.	Clean the filter element regularly.
	Disposal bag inserted incorrectly.	Installing the disposal bag correctly.
	The suction power on the dust extraction system is too low.	Adjust the suction power to a higher setting.
	Speed too high.	Reduce speed.
	Suction hose blocked or kinked.	Remove blockage and straighten hose.
	Disposal bag full.	Dispose of the bag.
	Guard is damaged.	Replace guard.

If problems other than those listed occur, please contact your ROKAMAT service workshop or your local specialist.