

SAFETY INSTRUCTIONS

General working instructions



WARNING! This section describes basic safety directions for using a power cutter. This information is never a substitute for professional skills and experience. If you get into a situation where you feel unsafe, stop and seek expert advice. Contact your dealer, service agent or an experienced power cutter user. Do not attempt any task that you feel unsure of!

Water cooling

Water cooling must always be used.



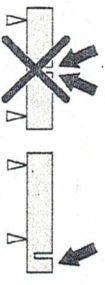
At a low water pressure, for example when the water tank is used, the restrictor can be dismantled to give the correct water flow.

NOTE!

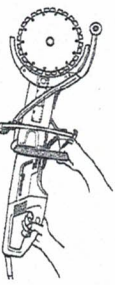
It is important not to use a too high water flow without throttling as the belt can then slip.

Cutting technique

Support the work piece in such a way that it is possible to predict what will happen, and so that the cut remains open while cutting.



Always hold the machine in a firm grip with both hands. Hold it so that the thumbs and fingers grip round the handles.



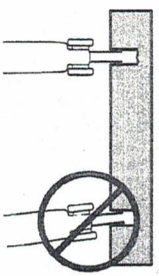
Check that the blade is not in contact with anything when the machine is started

Start cutting with the machine running at maximum speed.

Start cutting smoothly, allowing the machine to work without forcing or pressing in the blade. Always cut at maximum speed.

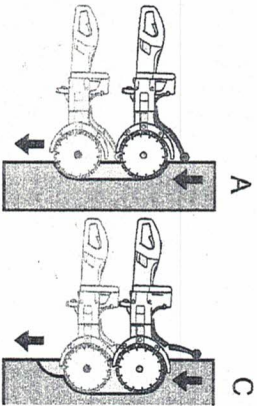
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Repeat this working method until the required cutting depth is achieved (D, E).

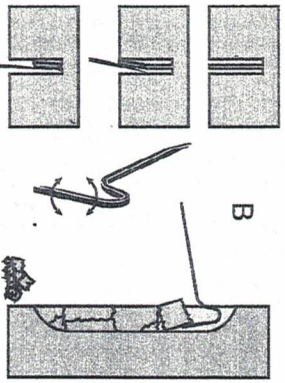


Always cut from top to bottom (A).

Remove the cutter and use a crowbar to remove the material that remains between the cut (B).

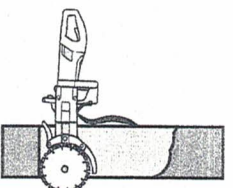


Follow the same saw cut, but further in the work piece (C), and repeat the work with the crowbar.

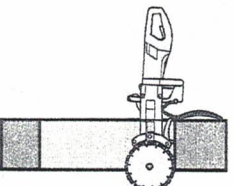


WARNING! When cutting vertically, always cut from the top of the cut and down. Never cut from the bottom of the cut and up. This can cause a kickback and result in personal injury.

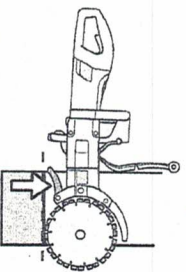
D



E



The blade guards are designed to easily adapt to how deep in the work piece the power cutter is moved.

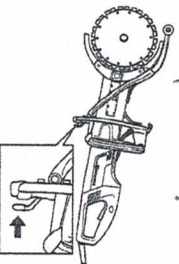


WARNING! Under all circumstances avoid grinding using the side of the blades, it will almost certainly be damaged, break and can cause immense damage. Only use the cutting section. Do not pull the power cutter to one side, this can cause the blade to jam or break resulting in injury to people.

Smooth cutting

To enable smooth cutting, the splash guard must be adjusted.

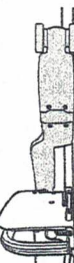
Release the latch.



Slide the splash guard sideways.



Lock the latch.



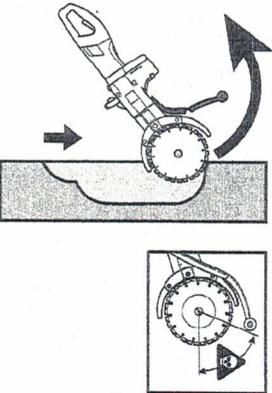
Kickback

Kickback is a sudden, rearward motion of the saw that can occur if the blades are stalled (pinched, jammed, twisted) in the so called kickback zone. Most kickbacks are small and fall as small "jerks" in the front handle. However, kickback can be very powerful. If you are not paying attention or have a poor grip the saw can be thrown all the way back at you.

WARNING! Kickback can be very sudden and violent, throwing the saw back at you. It can cause serious or even fatal injuries. It is vital you understand what causes kickback and how to avoid it using proper cutting technique.

Cause of kickback

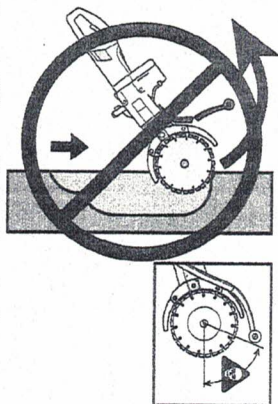
Kickback is caused if you are cutting with the kickback zone of the blade for example when cutting "upwards" or towards you.



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General rules

- Never cut upwards or towards you so that the kickback zone becomes actively cutting.



- Always hold the machine in a firm grip with both hands. Hold it so that the thumbs and fingers grip round the handles.



- Keep a good balance and a firm foothold.
- When cutting vertically, always cut from the top of the cut and down.

- Always cut at maximum speed.
- Do not cut with the upper quadrant (kickback zone) of the blade. Avoid twisting or pushing the blades sideways in the cut. This can cause kickback.
- Take care when inserting the blade in an existing cut. Make certain that the cut is wide enough and that the blades are not angled in the cut. This can cause kickback.

- Stand at a comfortable distance from the work piece.
- Never cut above shoulder height.
- Never cut from a ladder. Use a platform or scaffold when working at high altitude.
- Be alert to movement of the work piece or anything else that can occur, which could cause the cut to close and pinch the blade.

Pull in

Pull in occurs when the blades' lower sections suddenly stop or when the cut closes. (To avoid, see the instructions under the heading "Basic rules" and "Jamming/rotation", here below.)

Pinching/rotation

If the cut is pressed together this can lead to jamming. The machine can be pulled down suddenly with a very powerful jerk.

ASSEMBLY

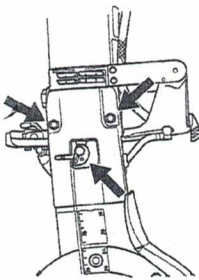
Assembly



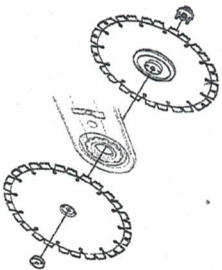
WARNING! Always pull out the plug from the outlet socket before cleaning, maintenance or assembly.

Assembling the blades

- Husqvarna blades are especially manufactured and approved for treehand cutting with the K3000 Cut-n-Break. The blades have integrated belt pulley halves and are to be changed in pairs.
- Loosen the nuts and clamping bolt which release the bar. This will position the drive belt in a more favourable position with regard to assembling the new blades. **The drive belt is not clamped so easily.**

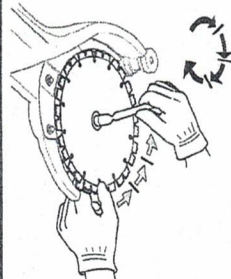


- Dismantle the old blades by loosening the centre nut. Check the drive belt for wear when the blades are dismantled. When changing the drive belt see the instructions under the heading "Replacing the drive belt".
- Position the blades on each side of the cutting arm. Make sure that the holes for both guide pins in the drive belt halves are aligned so that they correspond with the holes in the washer and the nut too. Now fit the bolt and washer unit with guide pins.



NOTE!

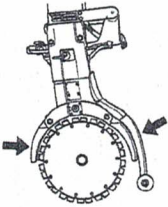
It is very important that the blades rotate when the nut is tightened. This is to ensure that the belt is not clamped between the integrated drive belt halves on the blades when the blades/drive belt are pulled together with the nut. Ideally this is done alternately, i.e. tighten a little, rotate a little and repeat until the blades are secured.



IMPORTANT! Do not forget to tighten the belt and check the belt adjustment before cutting. See the instructions under the heading "Inspecting and adjusting the drive belt".

Protection for the blades

- The guards should always be fitted on the machine. Check that the guards are properly secured and work before starting to cut.



STARTING AND STOPPING

Before starting

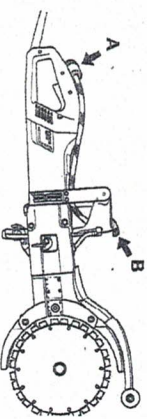


WARNING! Note the following before starting:

- The machine should be connected to an earthed outlet socket.
- Check that the mains voltage corresponds with that stated on the rating plate on the machine.
- Make sure you have a secure footing and that the cutting blade cannot touch anything.
- Keep people and animals well away from the working area.

Water connector

- Connect the water hose to the water supply (A). The water flow is regulated using the water tap (B).

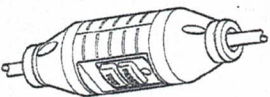


Ground fault circuit interrupter



WARNING! Never use the tool without the ground fault circuit interrupter delivered with the tool. Carelessness can result in serious personal injury or even death.

- Make sure the ground fault circuit interrupter is switched on. The LED indicates that the ground fault circuit interrupter is on and that the machine can be switched on. If the LED is not on, push the RESET button (green).



Check the ground fault circuit interrupter. See instructions under the heading Checking, maintaining and servicing the machine's safety equipment.

MAINTENANCE

General



WARNING! Inspection and/or maintenance should be carried out with the motor switched off and the plug disconnected.

Cleaning



WARNING! Do not use a high pressure washer when rinsing the inside of the machine.

The machine can withstand taking in damp air and splashes during the cutting process. Clean water does not affect the machine's function.

When cutting materials such as concrete or brick, which can contain salt, you must rinse the machine after the work is finished. The cleaning reduces the risk for accretions building up inside the engine, which can cause leakage current between electric components, which in turn can cause the ground fault circuit interrupter to turn off without intention.

- Clean the machine daily by rinsing it with clean water after the work is finished.
- Place the machine with the rear handle facing upwards. Rinse the air inlets at the rear handle with clean water. The water will run out through the front air outlets.
- Connect the plug and run the engine dry for approx. 30 sec in order to speed up the drying of the engine.

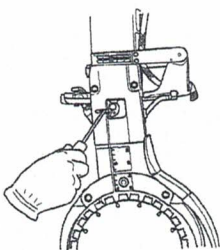
Inspecting and adjusting the drive belt



- The drive belt is fully enclosed and well-protected from dust, dirt and mechanical damage when cutting.

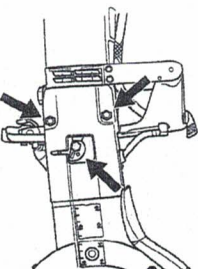
Check the tension of the drive belt

- Stick a screwdriver in the notch.
- A correctly adjusted drive belt should have about 5 mm of movement.

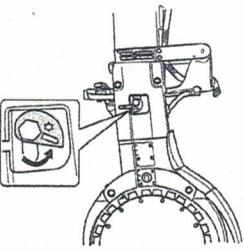


Tighten the drive belt

- Loosen the two nuts.
- Loosen the clamping bolt.



- Turn the eccentric plate anti-clockwise with a screwdriver or a torx driver. This tightens the drive belt by pushing the bar forwards.



- Tighten the nuts.
- Screw the bolt tight. Hold still the eccentric plate so that it doesn't move along when you tighten the screws.

IMPORTANT! A new drive belt shall be tightened once after 30-60 minutes operation.

TECHNICAL DATA

Technical data		K 3000 Cut-n-Break	
Engine	1		
Protection class	I		
Max. blade speed, rpm	230V, 50Hz	4250	
	120V, 60Hz	4460	
Rated voltage, V			
Europe	230		
Great Britain	110		
USA / Canada / Japan	100-120		
Rated output, W			
Europe	230V, 50Hz	2700/12 A	
Great Britain	110V, 50Hz	2200/20 A	
USA / Canada / Japan	100-120V, 50-60Hz	15 A	
Weight			
Power cutter without blades, kg	7,9		
Water cooling			
Water cooling	Yes		
Wash-out port	Type "Gardena"		
Water pressure - max, bar	8		

Cutting equipment

Cutting blade, mm/inches	Gear ratio	Max. peripheral speed, ft/min / m/s	Cutting depth, mm/inches
225/9	45/79	1181/60	400/16

Recommended cable dimensions

Cable area	1,5 mm ²	2,5 mm ²
Input voltage 100-120 V	20 m	40 m
Input voltage 220-240 V	30 m	50 m

• of June 08, 2011 on the restriction of use of certain hazardous substances 2011/65/EU