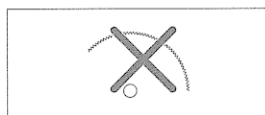


Some Husqvarna blades are available with side clearance wear indicators to help determine a blade's lifespan.

Toothed blades

WARNING: Never use toothed blades such as wood cutting blades, circular toothed blades, carbide tipped blades, etc. The risk of kickback is significantly increased and tips can be torn off and thrown at high speed. Carelessness can result in serious personal injury or even death.

WARNING: Government regulation requires a different type of guarding for carbide tipped blades not available on power cutters – a 360 degree guard. Power Cutters (this saw) use abrasive or diamond blades and have a different guarding system which does not provide protection against the dangers presented by wood cutting blades.



Use of this power cutter with a carbide tipped blade is a violation of work safety regulations.

Due to the hazardous nature and exigent circumstances involved with fire fighting and rescue operations conducted by the various highly trained public safety forces, safety professionals (fire departments), Husqvarna is aware that they may use this power cutter

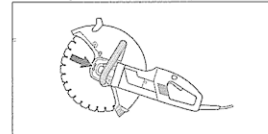
with carbide tipped blades in certain emergency situations due to the ability of carbide tipped blades to cut many different types of obstructions and materials in combination without having to take time to switch blades or machines. When using this power cutter be aware at all times that carbide tipped blades are more kickback prone than abrasive or diamond blades if not used properly. Carbide tipped blades can also throw pieces of material away from the blade.

For these reasons, a power cutter equipped with a carbide tipped blade should never be used except by highly trained public safety professionals who are aware of the risks associated with its use and then only in those exigent circumstances when other tools are deemed inefficient and ineffective for fire or rescue operations. A power cutter equipped with a carbide tipped blade should never be used to cut wood in non-rescue operations.

To examine the direction of the cutting blade rotation

If a diamond blade is used, make sure that it rotates in the direction indicated by the arrow on the blade.

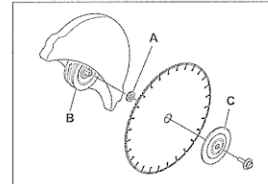
- Examine the direction of the cutting blade rotation shown by the arrows on the cutting arm.



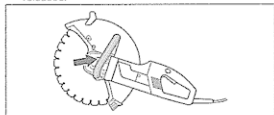
To fit the cutting blade

The tightening torque for the bolt holding the cutting blade is 25Nm (18.5ft-lbs).

The cutting blade is placed on the bushing (A) between the inner flange washer (B) and the flange washer (C). The flange washer is turned so that it fits on the axle.



- Lock the cutting blade/axle with the locking button on the rear of the machine. The button is reset when released.



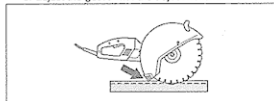
To adjust the blade guard

WARNING: Always make sure that the blade guard is correctly fitted before starting the product.

The guard for the cutting equipment should be adjusted so that the rear section is flush with the work piece.

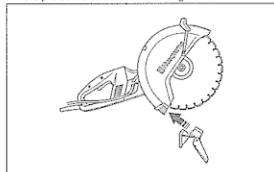
Spatter and sparks from the cut material are then collected by the guard and moved away from the user. The blade guard is friction locked.

- Press the ends of the guard against the work piece or adjust the guard with the adjustment handle.

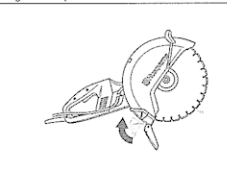


To adjust the splash guard

- Slide the splash guard into the slots at the back of the protective cover on the cutting blade.



the cover. Flip up the locking catch and push it against the protective cover.



OPERATION

Basic working techniques

WARNING: Do not pull the power cutter to one side. This can cause the blade to jam or break, resulting in injury.

WARNING: Do not grind with the side of the blade. Grinding causes breaks or damage. Only use the cutting section.

WARNING: Before entering an existing slot made by another blade, check that the slot is not thinner than your blade as that may result in binding in the cutting slot and a kickback.

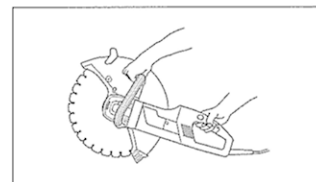
WARNING: Never use a diamond blade to cut plastic material. The heat produced during cutting may melt the plastic and it can stick to the cutting blade and cause a kickback.

WARNING: Cutting metal generates sparks that may cause fire. Do not use the product near ignitable substances or gases.

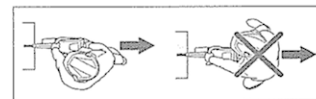
WARNING: Cutting metal is not allowed with the Vac attachment.

The product is designed and intended for cutting with abrasive blades or diamond blades intended for high speed handheld products. The product shall not be used with any other type of blade, or for any other type of cutting.

- Check that the cutting blade is fitted correctly and does not show signs of damage. See *Cutting blades on page 9* for instructions.
- Check that the correct cutting blade is used for the application in question. See *Cutting blades on page 9* for instructions.
- Never cut asbestos materials!
- Hold the saw with both hands; keep a firm grip with thumbs and fingers encircling the handles. The right hand should be on the rear handle and the left hand on the front handle. All operators, whether right or left handed shall use this grip. Never operate a power cutter holding it with only one hand.

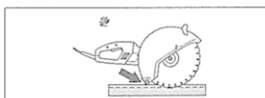


- Stand parallel to the cutting blade. Avoid standing straight behind. In the event of a kickback the saw will move in the plane of the cutting blade.

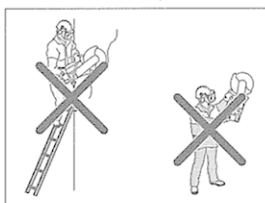


- If the blade is binding in the cut or when aborting a cut, release the throttle and wait until the blade stops. Do not extract the blade from the cut while the blade is in motion otherwise kickback may occur.

- Maintain a safe distance from the cutting blade when the engine is running. Do not try to stop a rotating blade with any part of your body.
- Never move the machine when the cutting equipment is rotating. Be sure that the blade has come to a complete stop before the machine is put on the ground.
- The guard for the cutting equipment should be adjusted so that the rear section is flush with the work piece. Spatter and sparks from the material being cut are then collected up by the guard and led away from the user. The guards for the cutting equipment must always be fitted when the product is running.

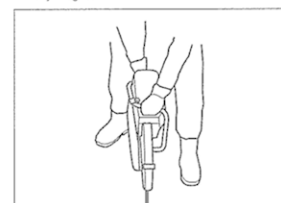


- Never use the kickback zone of the blade for cutting. See *Kickback on page 16* for instructions.
- Use extra caution when making a "pocket cut" into existing walls or other blind areas. The protruding wheel may cut gas or water pipes, electric wiring or objects that can cause kickback.
- Keep a good balance and a firm foothold.
- Never cut above shoulder height.
- Never cut from a ladder. Use a platform or scaffold if the cut is above shoulder height.

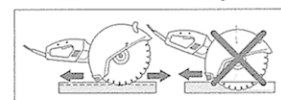


- Do not overreach.
- Stand at a comfortable distance from the work piece.
- Always ensure you have a safe and stable working position.
- Check that the blade is not in contact with anything when the product is started.
- Apply the cutting blade gently with high rotating speed (full throttle). Maintain full speed until cutting is complete.
- Let the product work without forcing or pressing the blade.

- Feed down the product in line with the blade. Pressure from the side can damage the blade and is very dangerous.



- Move the blade slowly forwards and backwards to achieve a small contact area between the blade and the material to be cut. This reduces the temperature of the blade and ensures effective cutting.



Power tool use and care

- Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- Use the power tool, accessories and tool bits, etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
- Under no circumstances should you modify the original design of the machine without approval from the manufacturer. Always use original spare parts. Unauthorized modifications and/or accessories may lead to serious injury or death to the user or others.
- Make sure that no pipes or electrical cables are routed in the working area or in the material to be cut.
- Always check and mark out where gas pipes are routed. Cutting close to gas pipes always entails danger. Make sure that sparks are not caused when cutting in view of the risk of explosion. Remain concentrated and focused on the task. Carelessness can result in serious personal injury or death.
- The guard for the cutting equipment must always be on when the machine is running.

Service

- Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

Kickback

WARNING: Kickbacks are sudden and can be very violent. The power cutter can be thrown up and back towards the user in a rotating motion causing serious or even fatal injury. It is vital to understand what causes kickback and how to avoid it before using the product.

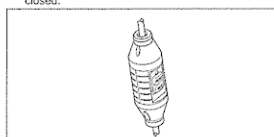
Kickback is the sudden upward motion that can occur if the blade is pinched or stalled in the kickback zone. Most kickbacks are small and pose little danger.



Reactive force

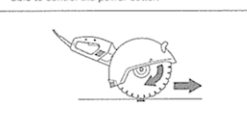
the tool. Carelessness can cause serious personal injury or even death.

- Make sure the ground fault circuit interrupter is closed.



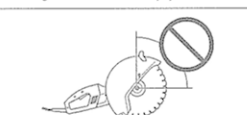
- Start the product. If the LED is not illuminated, push the RESET button (green).
- Examine the ground fault circuit interrupter.

A reactive force is always present when cutting. The force pulls the product in the opposite direction of the blade rotation. Most of the time this force is insignificant. If the blade is pinched or stalled the reactive force will be strong and you might not be able to control the power cutter.



Kickback zone

Never use the kickback zone of the blade for cutting. If the blade is pinched or stalled in the kickback zone, the reactive force will push the power cutter up and back towards the user in a rotating motion causing serious or even fatal injury.



Climbing kickback

If the kickback zone is used for cutting, the reactive force drives the blade to climb up in the cut. Do not use the kickback zone. Use the lower quadrant of the blade to avoid climbing kickback.



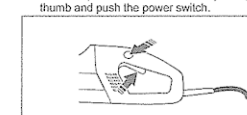
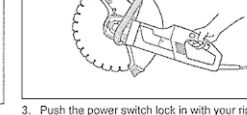
Pinching kickback

Pinching is when the cut closes and pinches the blade. If the blade is pinched or stalled the reactive



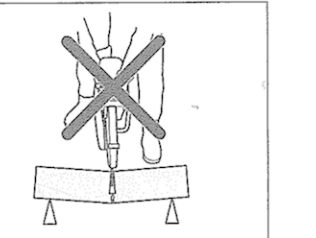
To start the product

- Hold the front handle with the left hand.
- Hold the rear handle with the right hand.



- Operate the product without load in a safe manner for at least 30 seconds.

- Be careful of the movement of the work piece or anything else that can occur. The movement of anything else could cause the cut to close and pinch the blade.



- Do not allow the pipe to sag and close the cut. Otherwise the blade can be pinched in the kickback zone and a severe kickback can occur.

- Properly support the end of the pipe to let it move downward, so that the cut can be open and pinching will not occur.

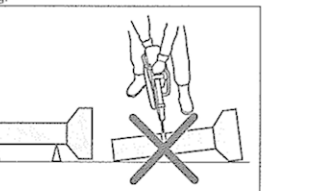
To cut in pipes

WARNING: If the blade is pinched in the kickback zone it will cause a severe kickback.

WARNING: Make sure the pipe is properly supported so that the end of the pipe moves downward when cutting.

Special care should be taken when cutting in pipes. If the pipe is not properly supported and the cut kept open throughout the cutting the blade might be pinched. Be especially alert when cutting a pipe with a bell end or a pipe in a trench that, if not properly supported, may sag and pinch the blade.

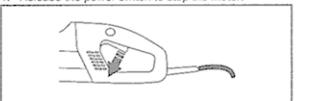
- Secure the pipe so it does not move or roll during cutting.



To stop the product

WARNING: The cutting blade continues to rotate up to a minute after the motor stops (known as blade coasting). Make sure that the cutting blade can rotate freely until it completely stops. Carelessness can cause serious personal injury.

- Release the power switch to stop the motor.



Perform daily maintenance. See section **MAINTENANCE** on page 20.

Personal safety

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Avoid accidental starting. Ensure that the switch is in the OFF-position before plugging in.
- Prevent unintentional starting. Ensure the switch is in the OFF-position before connecting to power source and/or battery pack, plugging up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on, can result in accidents.
- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Dust collection can reduce dust-related hazards.
- Remain at a distance from the blades when the engine is running.
- Overexposure to vibration can lead to circulatory damage or nerve damage in people who have impaired circulation. Contact your doctor if you experience symptoms of overexposure to vibration. Such symptoms include numbness, loss of feeling, tingling, pricking, pain, loss of strength, changes in skin colour or condition. These symptoms normally appear in the fingers, hands or wrists. These symptoms may be increased in cold temperatures.

Personal protective equipment

- WARNING:** Products such as cutters, grinders or drills, that sand or form material can generate dust and vapors, which may contain hazardous chemicals. Check the nature of the material you intend to process and use an appropriate breathing mask.
- WARNING:** Always use approved hearing protection. Long-term exposure to noise can result in permanent hearing impairment. Be aware of warning signals or shouts when

you are wearing hearing protection. Always remove your hearing protection as soon as the motor stops.



WARNING: There is always a risk of crush injuries when working with products containing moving parts. Wear protective gloves to avoid body injuries.



WARNING: Sparks may appear and start a fire when you work with the product. Always keep fire fighting equipment handy.

You must use approved personal protective equipment when you use the product. Personal protective equipment cannot eliminate the risk of injury but it will reduce the degree of injury if an accident does happen. Ask your dealer for help in choosing the right equipment.

Always wear:

- Approved protecting helmet.
- Hearing protection.
- Approved eye protection. If you use a face shield then you must also wear approved protective goggles. Approved protective goggles must comply with standard ANSI Z87.1 in the USA or EN 166 in EU countries. Visors must comply with standard EN 1731.
- Approved respiratory protection.
- Protective gloves.
- Heavy-duty, firm grip gloves.
- Tight-fitting, heavy-duty and comfortable clothing that permits full freedom of movement. Cutting generates sparks that can ignite clothing. Husqvarna recommends that you wear flame-retardant cotton or heavy denim. Do not wear clothing made of material such as nylon, polyester or rayon. If ignited such material can melt and cling to the skin. Do not wear shorts.
- Boots with steel toe-caps and non-slip sole.

Always have a first aid kit and firefighting equipment nearby.

Safety devices on the product



WARNING: Read the following warning instructions carefully before using the product.



WARNING: Cutting metal is not allowed with the Vac attachment.

- Follow the instructions supplied with the cutting blade concerning the suitability of the blade for various applications or consult your dealer.

	Concrete	Metal	Plastic	Cast iron
Abrasive blades*	X	X*	X	X
Diamond blades	X	X**	---	X**

*Only without the Vac attachment.

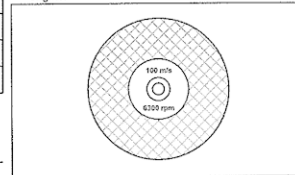
**Only specialty blades. Only without the Vac attachment.

Cutting blades for handheld high speed power cutters



WARNING: Never use a cutting blade with a lower speed rating than that of the power cutter. Only use cutting blades that are in compliance with national or regional standards, for example EN 13236 or EN 12413 or ANSI B7.1.

- Many cutting blades that might fit this power cutter are intended for stationary saws and have a lower speed rating than what is needed for this handheld power cutter. Cutting blades with a lower speed rating shall never be used on this power cutter.
- Husqvarna cutting blades are manufactured for high speed, portable power cutters.
- Check that the blade is approved for the same or higher speed according to the approval plate of the engine.

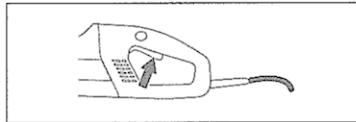


Blade vibration

- The blade can become out-of-round and vibrate if an excessive feed pressure is used.
- A lower feed pressure can stop the vibration. Otherwise replace the blade.

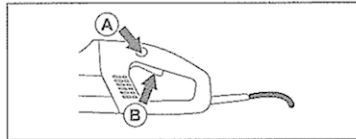
Power switch

Press the power switch to start the power cutter and release the switch stop the power cutter.



Power switch lock

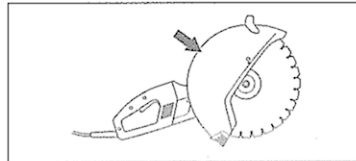
The power switch lock is designed to prevent accidental operation of the switch. Press the power lock switch (A) to release the power switch (B).



The power switch lock remains released as long as the power switch is released. When the grip on the handle is released both the power switch and power switch lock are reset. This movement is controlled by two independent return springs. This position results in the machine stopping and the power switch being locked.

Blade guard

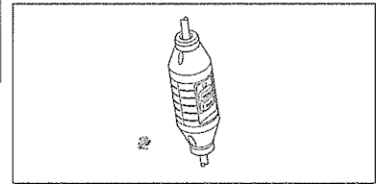
This guard is fitted above the cutting blade and is designed to prevent parts of the blade or cutting fragments from being thrown towards the user.



Residual-current device

Ground fault circuit interrupters are for protection in case an electrical fault should occur.

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).



Safety instructions for maintenance



WARNING: The user must only carry out the maintenance and service work described in this Operator's Manual. More extensive work

must be carried out by an authorized service workshop.



WARNING: The engine should be switched off, and the stop switch in STOP position.



WARNING: Wear personal protective equipment. See *Personal protective equipment on page 7*.



WARNING: The lifespan of the product can be reduced and the risk of accidents can increase if product maintenance is not carried out correctly and if service and/or repairs are not carried out professionally. If you need further information please contact your nearest service workshop.



CAUTION: Let your Husqvarna dealer regularly check the product and make essential adjustments and repairs.

- Ensure that correct abrasive blade is used on the intended material.

Blade type	Material
Concrete	Concrete, asphalt, stone masonry, cast iron, aluminium, copper, brass, cables, rubber, plastic, etc.
Metal	Steel, steel alloys and other hard metals.

Diamond blades



WARNING: Never use a diamond blade to cut plastic material. The heat produced during cutting may melt the plastic and it can stick to the cutting blade and cause a kickback.



WARNING: Diamond blades become very hot when used. An overheated blade is a result of improper use, and may cause deformation of the blade, resulting in damage and injuries.



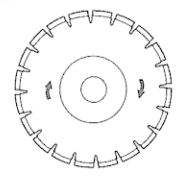
WARNING: Cutting metal generates sparks that may cause fire. Do not use the product near ignitable substances or gases.



Note: Diamond blades are available in several hardness classes.

Note: Sharpen the blade by cutting soft material such as sandstone or block.

- Always use a sharp diamond blade.
- Diamond blades can become dull when the wrong feeding pressure is used or when cutting certain materials such as heavily reinforced concrete. Working with a dull diamond blade causes overheating, which can result in the diamond segments coming loose.
- Diamond blades consist of a steel core provided with segments that contain industrial diamonds.
- Diamond blades are ideal for masonry, reinforced concrete and other composite materials.
- Diamond blades ensure lower costs per cutting operation, fewer blade changes and a constant cutting depth.
- Special blades should be used when cutting metal. Ask your dealer for help in choosing the right product.
- When using diamond blade make sure that it rotates in the direction indicated by the arrow on the blade.



Diamond blades for dry cutting

- Diamond blades for dry cutting can be used both with and without water cooling.
- When dry cutting, lift the blade out from the cut every 30–60 seconds and let it rotate in the air for 10 seconds to let it cool. If this is not done, the blade will become overheated.

Diamond blades for wet cutting

Note: Do not use Vac attachment when wet cutting. Wet concrete sludge considerably reduces the suction capacity of the Vac attachment.

- Diamond blades for wet cutting must be water cooled. If this is not done, the blade may be overheated.
- Water cools the blade and increases its service life while also reducing the formation of dust.
- Water cooling, which is used when cutting concrete, cools the blade and increases its service life while also reducing the formation of dust. Disadvantages include difficulties at very low temperatures, the risk of damaging floors and other structural elements, and the risk of slipping.

Diamond blade - side clearance



WARNING: Check that the diamond segment (T1) is wider than the blade core (T2) to prevent binding in the cutting slot and a kickback.

Replace the blade before it is completely worn out.



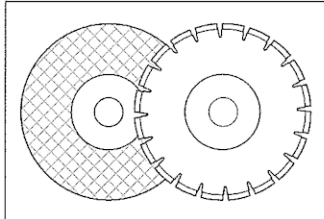
CAUTION: Certain cutting situations or poor blades may cause excessive wear on the side of the segments.

ASSEMBLY

Cutting blades

Husqvarna blades are high speed blades approved for hand held power cutters.

- Cutting blades are available in two basic designs: abrasive blades and diamond blades.



- High-quality blades are often most economical.
- Lower quality blades often have inferior cutting capacity and a shorter service life, which results in a higher cost in relation to the quantity of material that is cut.
- Make sure that the right bushing is used for the cutting blade to be fitted on the product. For instructions, see *To fit the cutting blade on page 13*.

Suitable cutting blades

Cutting blades	K 4000	K 4000 with a Vac attachment
Abrasive blades	Yes*	No
Diamond blades	Yes	Yes
Toothed blades	No	No

*Without water.

For more information, see *Technical data on page 23*.

Cutting blades for different material



WARNING: Never use a cutting blade for any other materials than what it was intended to cut.



WARNING: Never use a diamond blade to cut plastic material. The heat produced during cutting may melt the plastic and it can stick to the cutting blade and cause a kickback.



WARNING: Cutting metal generates sparks that may cause fire. Do not use the product near ignitable substances or gases.