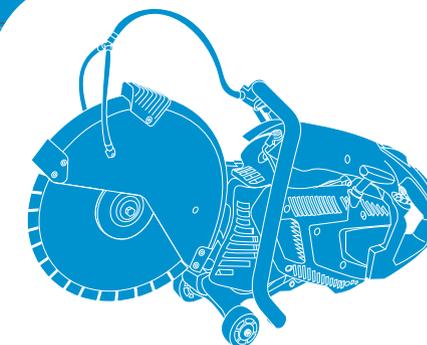


HSS Hire



Cut Off Saw

Petrol driven heavy duty hand held saw for on site cutting of masonry, bricks, concrete and metalwork.



Code 07122

EQUIPMENT CARE

Never push the equipment beyond its design limits. If it will not do what you want with reasonable ease and speed, assume you have the wrong tool for the job. Contact HSS Hire for advice.

Keep the equipment clean - you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period.

When not in use, **store the equipment somewhere clean, dry and safe** from thieves.

Cutting blades should be stored in dry, frost free conditions.

Special care should be taken with abrasive discs.

Store them on a flat, level surface. If an abrasive disc is stored in humid conditions, this can cause imbalance and result in injury.

FINISHING OFF

Move the switch to the STOP position. Wait for the engine to stop and for the cutting wheel to stop rotating.

If the saw is not to be used again, **remove the cutting blade.**

Collect all parts together and give them a final clean up ready for return, to HSS Hire.



... have you been trained

The law requires that personnel using this type of equipment in the workplace must be competent and qualified to do so. Training is available at HSS Training 0845 766 7799

...any comments?

If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below e-mail: safety@hss.com

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Group Office: 25 Willow Lane, Mitcham, Surrey CR4 4TS

Web Site: <http://www.hss.com>

Repeat this procedure, with the choke disengaged, until the motor starts.

NOTE: The motor will flood if the starting procedure is repeated too many times with the choke engaged.

Press the throttle as soon as the motor starts. This disengages the half-throttle position and the choke (if previously engaged), and the motor then runs at idling speed when the throttle is released.

CUTTING TECHNIQUES

DANGER

Always hold the machine securely with both hands on the grips provided. Keep the grips dry, clean and free from oil and grease.

Check that no persons are present within the working area and, in particular, in the area ahead of the saw (in the cutting direction).

Guide the machine evenly and do not apply lateral pressure to the cutting disc. Always bring the machine into contact with the workpiece at right angles. Don't attempt to alter the line of cut by applying lateral pressure or by bending the cutting disc while cutting is in progress. This presents a risk of damaging or breaking the cutting disc.



Secure the workpiece and the part to be cut off in order to prevent uncontrolled movement.

Always apply full throttle when cutting.

Avoid making excessively deep cuts. Cutting through thick workpieces should be accomplished, as far as possible, by making a several cuts.

AVOIDING KICKBACK



an existing kerf.

Always bring the machine into contact with the workpiece from above. Allow the cutting disc to contact the workpiece only at a point below its rotational axis.

Take special care when inserting the cutting disc in

STOPPING THE MOTOR

If the motor cannot be stopped by operating the on / off switch, the motor must be stopped, if need be, by pulling the choke lever.

WARNING!

Do not lay the machine down until the cutting disc has stopped rotating. The machine must always be stored and transported in an upright position.

LOCKING ROTARY MOVEMENT OF THE GUIDE WHEELS

WARNING

When working on roofs, scaffolds and/or slight slopes, always lock the guide wheels to prevent the saw rolling away inadvertently and possibly falling. Use the built-in safety feature which allows you to lock the wheels by fitting them in the reversed position (turned through 180°).

Release the guide wheel mounting screws and remove the guide wheels. Reverse the guide wheels (turn through 180°) and refit the mounting screws.

Check that the guide wheels are mounted securely.



BASIC TECHNIQUES

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.

Do not attempt any task that you feel unsure of!

WARNING!

Under all circumstances avoid grinding using the side of the blade; 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

STARTING THE MOTOR

Stand the machine on a solid surface on the floor and move the start / stop switch to the "start" position.

Press the fuel pump button (P) 2 to 3 times (until the pump button is seen to be completely filled with fuel).

Press the decompression valve.

If the motor is cold, pull the choke lever upwards.

This activates the choke and engages half throttle.

If the motor is hot, pull the choke lever up and then push it back down. This engages half throttle (with no choke).

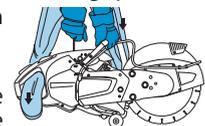
Check that the cutting disc is free to rotate.

Hold the forward grip securely with the left hand and place your right foot in the lower section of the rear grip.

Pull the starter handle slowly with your right hand until resistance is felt.

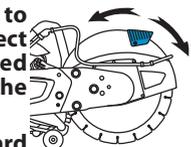
Pull the starter handle vigorously.

When the motor fires for the first time (after 2 to 5 pulls of the starter), move the choke lever back to its original position.



It is important to adjust the guard to the correct position in order to direct the particles of material removed away from the operator and the machine.

Adjust the guard by holding the guard by the grip provided and rotating it to the desired position.



CONVERTING THE SAW FROM NORMAL CUTTING MODE TO FLUSH CUTTING MODE

In order to facilitate cutting as closely as possible to edges and walls etc., the forward section of the saw arm can be turned and fitted in the reversed position so that the cutting disc, when seen from behind, is positioned to the right of the saw arm.

Remove the spray jets from the guard.

Slacken the three clamping nuts on the forward section of the saw arm approx. one complete turn.

Release the tension on the drive belt by turning the belt tensioning cam counterclockwise carefully as far as it will go (until resistance is felt, i.e. approx. 1/4 of a turn).

Remove the three clamping nuts and the two securing screws from the forward section of the saw arm, then remove the drive belt cover and the forward section of the saw arm.

Release the four securing screws on the rear drive belt cover and remove the cover.

Remove the stop screw that limits rotation of the forward section of the saw arm.

Place the drive belt carefully over the drive pulley. Fit the forward section of the saw arm onto the rear section of the saw arm. Fit only the middle clamping nut. Tighten the nut only finger-tight.

Rotate the disc guard until the opening is at the rear.

Tension the drive belt by turning the belt tensioning cam clockwise carefully as far as it will go (until resistance is felt, i.e. approx. 1/4 of a turn).

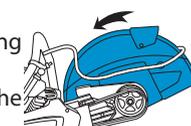
Secure the forward drive belt cover with the two clamping nuts and two securing screws.

Tighten the three clamping nuts securely (18 Nm).

Fit the rear drive belt cover and secure it with the four screws.

Rotate the disc guard until the opening is at the front.

Fit the spray jets in the openings at the front of the blade guard.



GENERAL SAFETY

For advice on the safety and suitability of this equipment contact HSS Hire.

There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.

The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior to the use of this equipment.

This equipment should only be used by an operator who has been deemed competent to do so by his/her employer.

This equipment should be used by a competent adult who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.

Keep children, animals and bystanders away from the work area. Cordon off a NO GO area using cones and either barriers or tape, available for hire from HSS Hire.

 **Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.**

 **Wear practical, protective clothing, gloves and footwear.** Avoid loose garments and jewellery that could catch in moving parts, tie back long hair.

It is recommended that non-slip shoes or boots are worn when working outdoors.

 **Safety goggles MUST be worn by everyone in the work area.**

 **This equipment generates potentially harmful noise levels.** To comply with health and safety at work regulations, **ear defenders must be worn** by everyone in the vicinity.

 **Some materials when cut contain substances which, when inhaled, can be harmful to health.** A suitable mask must be worn when using this equipment. Respiratory protective equipment is available for hire from HSS Hire.

Ensure the work area is well lit and ventilated, if in doubt, ask about lighting and ventilation equipment at HSS Hire.

Do not work near flammable gases or liquids, petrol or paint thinner fumes for example. **Keep combustible materials at a safe distance** - at least 5m.

Make sure you know how to switch this machine OFF before you switch it ON in case you get into difficulty.

Never leave the unit running and unattended. Always switch the engine off and wait for moving parts to come to rest before making adjustments to it. Engines, especially the exhausts, get very hot so **switch OFF and allow to cool before touching them.**

Make sure that everyone is warned of what you are doing.

Check the condition of the equipment before use. If it shows signs of damage or excessive wear, return it to HSS Hire.

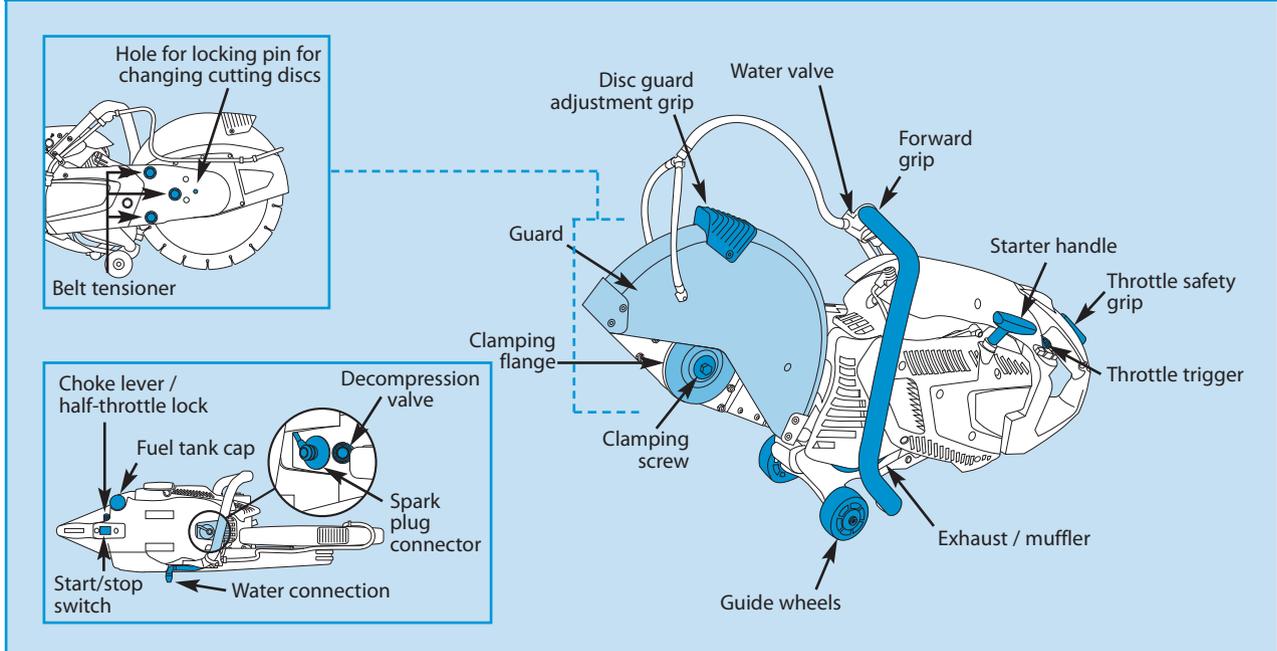
Ensure the guard is correctly fitted and secure before starting work.

Never use a cutting blade for any other materials than that it was intended for.

Never use a cutting blade at a lower speed rating than that of the power cutter.

Check the **cutting blade does not show signs of damage.**

IDENTIFIER



A damaged cutting blade can cause personal injury.

Always ensure you have a safe and stable working position.

Do not use the machine in bad weather, such as dense fog, rain, strong wind, intense cold, etc. Working in bad weather is tiring and **can lead to dangerous conditions.**

Observe the increased risk of kickback when cutting soft materials.

Keep the workplace tidy. Objects which could cause injury should be removed from the working area. Untidiness at the workplace can lead to accidents.

Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

Concealed electric cables or gas and water pipes present a serious hazard if damaged while you are working. Accordingly, check the area in which you are working beforehand. External metal parts of the machine may become live, for example, when an electric cable is damaged accidentally. Metal detectors are available in HSS Hire.

Don't work from a ladder.

Don't work above shoulder height.

If the work involves breaking right through, take the appropriate safety measures at the opposite side. Parts breaking away could fall out and / or fall down and injure other persons.

When using the wet cutting technique, take care to ensure that the water drains away in controlled fashion and check that the water or water spray presents no hazard and causes no damage to the surrounding area.

Do not use the machine unless you are able to call for help in the event of an accident.

Never use a machine that is faulty.

COSHH information sheets are available from HSS Hire.

WARNING

Under no circumstances should you modify the original design of the machine. Unauthorised modifications and/or accessories may lead to serious injury or death to the user or others.

FUEL SAFETY

The saw is equipped with a two-stroke engine and must always be run using a mixture of petrol and two-stroke oil. **It is important to accurately measure the amount of oil to be mixed to ensure that the correct mixture is obtained.**

Use the following mix ratio: 1 part oil + 50 parts gasoline. With quality two-stroke oil with the TC classification: 1 part oil + 25 parts gasoline.

Always mix the petrol and oil in a clean container intended for fuel.

Mix (shake) the fuel mixture thoroughly before filling the machine's fuel tank.

If the machine is not used for some time the fuel tank should be emptied and cleaned.

CAUTION

Pressure may build up in the fuel tank. Accordingly, en take care when opening the fuel tank cap.

EXHAUST DANGER

NEVER operate petrol engines indoors or in a confined space. The exhaust contains gases that can kill. ALWAYS ensure there is adequate ventilation when handling fuel.

FUEL SAFETY

NEVER refuel while the engine is hot or running. NEVER smoke or allow naked lights into the area while refuelling. Never inhale fuel vapour.

ALWAYS mop up spillage's as quickly as possible, and change your clothes if you get fuel on yourself.

ALWAYS store fuel in a purpose-made sealed container, in a cool, safe place well away from the work area.

NEVER start the machine if you have spilt fuel on it, or if the machine is leaking fuel.

NEVER use the machine if the handles are oily (especially can happen when refilling the tank).

Oily handles may cause fatal consequences. Wipe handles and make sure they are free of oil.

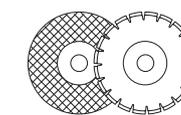
GETTING STARTED

The HSS Cut Off Saw is a dangerous tool if used carelessly or incorrectly and can cause serious, even fatal injuries. It is extremely important that you read and understand the contents of this User Guide.

The HSS Cut Off Saw is intended for hand-held or walk-behind use for dry or wet cutting of asphalt and mineral or metallic construction materials by means of abrasive or diamond cutting discs.

To reduce the amount of dust produced when cutting, we recommend use of the wet cutting method.

CUTTING BLADES



Cutting blades are available in two basic designs; abrasive discs and diamond blades. Before using the Rail Saw **check that the cutting blade is fitted correctly and does not show signs of damage.**

Always remove the cutting blade when the machine is transported.

Make sure that the right bushing is used for the cutting blade to be fitted on the machine.

FITTING THE BLADES

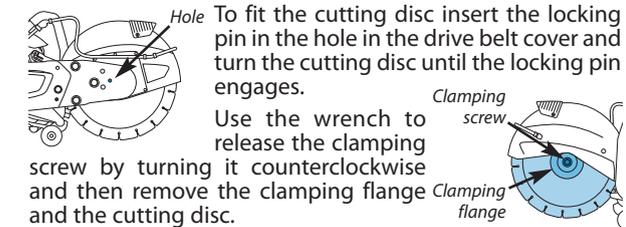
WARNING

The motor and the cutting disc must have come to a complete stop before making adjustments or changing parts etc.

CAUTION

Cutting discs which are damaged or out of round (causing vibration) must not be used.

Use only cutting discs with a 20 mm or 25.4 mm (1") arbor hole. **The cutting discs, flanges or other accessories must properly match the arbor size of the machine.** Cutting discs or accessories with arbor holes that do not match the mounting hardware of the machine will run out of balance, vibrate excessively and may cause loss of control.



Check that the mounting bore of the cutting disc to be fitted corresponds with the centering collar of the cutting disc mounting flange. The mounting flange is provided with a 20 mm diameter centering collar on one side and a 25.4 mm (1") diameter centering collar on the opposite side.

Clean the clamping and centering surfaces on the machine

CAUTION

Take care to ensure that the direction of rotation of the cutting disc (indicated by an arrow) matches the direction of rotation shown on the machine.

and on the cutting disc. Place the cutting disc on the centering collar of the clamping flange.

Place the clamping flange on the drive arbor and tighten the cutting disc clamping screw by turning it clockwise.

Insert the locking pin in the hole in the drive belt cover and turn the cutting disc until the locking pin engages.

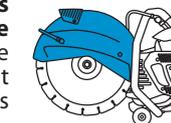
Tighten the cutting disc clamping screw to a torque of 25 Nm.

GUARD FOR THE BLADE

Always check that the blade guards are correctly fitted before starting the machine. The 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.

Check that the guard is complete without any cracks or deformations.

Never use a defective guard or a guard that has not been fitted correctly.



CAUTION

Cutting discs which are damaged or out of round (causing vibration) must not be used.