

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

KICKBACK

The word **kickback** is used to describe the sudden reaction that causes the saw and cutting blade to be thrown from an object when the upper quadrant of the blade, known as the kickback zone, touches an object.

Kickback can happen very suddenly and violently, kicking the saw and cutting blade back at the user. If this happens when the cutting blade is moving it can cause very serious, even fatal injuries. It is vital you understand what causes kickback and that you can avoid it by taking care and using the right working technique.

Never start to cut with the upper quadrant of the blade as shown in the figure, also known as the kickback zone.

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. **Always cut at maximum speed.** Stand at a comfortable distance from the

work piece. Take care when inserting the blade in an existing cut. Never cut above shoulder height. 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.

FITTING THE CUTTING BLADE

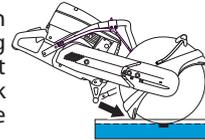
Cutting blades provided by HSS are manufactured and approved for freehand cutting. The blade is placed on the bushing between the inner flange washer and the flange washer. The flange washer is turned so that it fits on the axle.

The shaft can be locked using a screwdriver, steel pin or the like. This is slid in as far as possible. The blade is tightened clockwise.



GUARD FOR THE BLADE

The guard must always be fitted on the saw. 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.



When cutting hold the machine's handle so that the hands are in line with the cutting blade. This to achieve maximum cutting speed, disc service life and a straight cut.



FINISHING OFF

Move **STOP** switch to the **right** 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.

SPECIFICATION

CUT SAW TECHNICAL SPECIFICATION

Commodity Code:	07115 / 07116
Fuel:	Unleaded 2 Stroke Mix
Blade diameter:	300 / 350mm
Max cutting depth:	100 / 125 mm
Weight (excl. cutting equipment):	9.7 / 9.9 KG
Vibrations front handle:	1.9 / 2.0 m/s ²
Vibrations rear handle:	2.6 / 2.6 m/s ²
Sound level:	112 dB(A)
Guaranteed sound power level LWA	113 dB(A)

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.**

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.



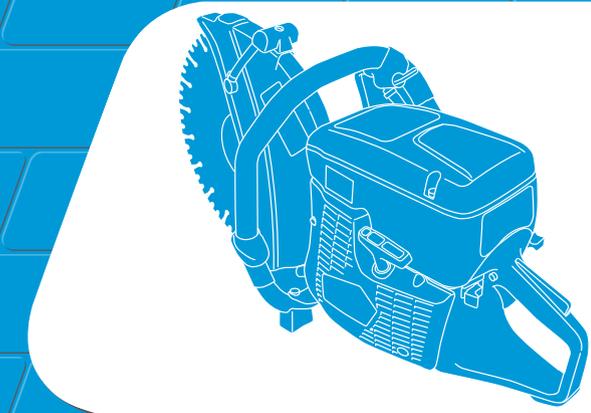
... have you been trained

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 Solutions 0845 766 7799

...any comments?

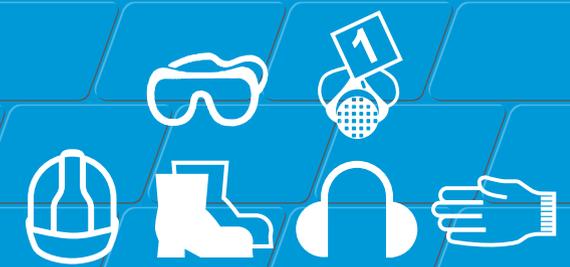
If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below e-mail: safety@hss.com

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Group Office: 25 Willow Lane, Mitcham, Surrey CR4 4TS
Web Site: <http://www.hss.com>



Cut Off Saw

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



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 is designed to be used by an able bodied, 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.

 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, contact HSS Hire for details.

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

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.

Before using the saw make yourself familiar with equipment.

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.

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.

FUEL SAFETY

Never start the machine if you have spilled fuel on it, or if the machine is leaking fuel.

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. 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.

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

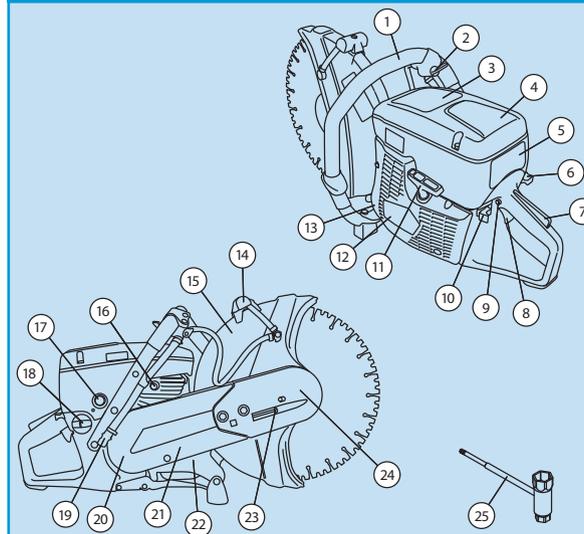
Never use a machine that is faulty.

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.

IDENTIFIER



1 Front handle	14 Adjustment handle for guard
2 Water tap	15 Guard for the blade
3 Warning decal	16 Decompression valve
4 Air filter cover	17 Air purge
5 Cylinder cover	18 Fuel tank
6 Choke	19 Water connection with filter
7 Throttle lockout	20 Belt guard
8 Throttle control	21 Cutting arm
9 Start throttle lock	22 Rating plate
10 Stop switch	23 Belt tensioner
11 Starter handle	24 Cutting head
12 Starter	25 Combination spanner
13 Muffler	

GETTING STARTED

A 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 saw is equipped with a vibration damping system designed to minimize vibration and make operation easier. Stop the machine if you experience discomfort or numbness during use.

FUEL (UNLEADED 2 STROKE 50:1 MIX)

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.

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.

BEFORE STARTING

Do not start the saw without the belt guard fitted. Otherwise the clutch could come loose and cause personal injuries. Ensure that you and the machine have a good working stance and that the cutting blade can rotate freely.

Press in decompression valve to reduce the pressure in the cylinder, this is to assist starting the saw. Press in decompression valve to reduce the pressure in the cylinder, this is to assist starting the saw. The decompression valve should always be used when starting. The valve automatically returns to its initial position when the machine starts.

Make sure that the stop switch is in the left position.

When engine is cold pull the choke control fully out.

Press in the throttle trigger lock, throttle control and then the start throttle lock. Release the throttle control and it is locked in the half throttle position. The lock releases when the throttle control is pressed in fully.

When engine is warm press in the throttle trigger lock, throttle control and then the start throttle lock. Release the throttle control and it is locked in the half throttle position. The lock releases when the throttle control is pressed in fully.

STARTING AND STOPPING

To start grip the front handle with your left hand. Put your right foot on the lower section of the rear handle pressing the machine against the ground. Never twist the starter cord around your hand.

The cutting blade rotates when the engine is started. Make sure it can rotate freely.

Grip the starter handle, slowly pull out the cord with your right hand until you feel some resistance (the starter pawls grip), now quickly and powerfully pull the cord.

Do not pull the starter handle when the cord is fully extended. This can damage the machine.

When the engine is cold push in the choke control as soon as the engine fires and keep pulling until the engine starts. When the engine starts, quickly apply full throttle to automatically disengage fast idle.

To stop the engine move stop switch to the right.

EXHAUST

The exhaust is designed to keep noise levels to a minimum and to direct exhaust fumes away from the user. Regularly check the exhaust. Never use a machine that has a faulty exhaust. Always make sure the exhaust is securely attached to the saw.

THROTTLE LOCKOUT

The throttle trigger lock is designed to prevent accidental operation of the throttle. When the lock is pressed in, this releases the throttle.



The trigger lock remains pressed in as long as the throttle is pressed. When the grip on the handle is released the throttle trigger and the throttle trigger lock both return to their original positions. This is controlled by two independent return spring systems. This means that the throttle trigger is automatically locked in the idle position.

To check the throttle lockout first make sure the throttle control is locked at the idle setting when the throttle lockout is released.

Press the throttle lockout and make sure it returns to its original position when you release it.

Check that the throttle control and throttle lockout move freely and that the return springs work properly.

Start the power cutter and apply full throttle. Release the throttle control and check that the cutting blade stops and remains stationary. If the cutting blade rotates when the throttle is in the idle position you should not use this equipment. Switch off the saw and contact HSS Hire for replacement.

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 and without any cracks or deformations.

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

CUTTING BLADES

Cutting blades are available in two basic designs; abrasive discs and diamond blades. Before using the 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.

Ensure that the blades conform to all regulations and demands that concern this type of saw. For more information contact HSS Hire.

