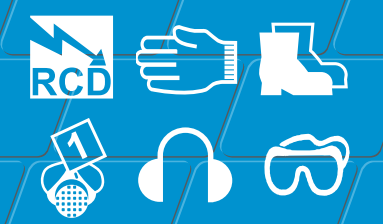


Allsaw

A plunge cut low dust saw ideal for cutting openings, repointing and chasing.



Code 03126

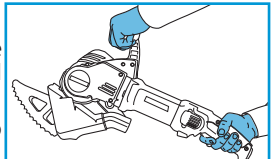
BASIC TECHNIQUES

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.

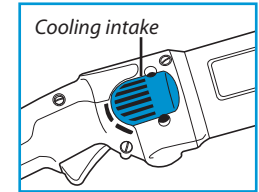
Do not attempt any task that you feel unsure of!

Before attempting to operate the tool, please ensure that your as well as co-workers' safety is not compromised.

With the blades secured and the tool switch OFF, plug the tool into the power socket.



Hold the tool by both the top handle and the motor housing.



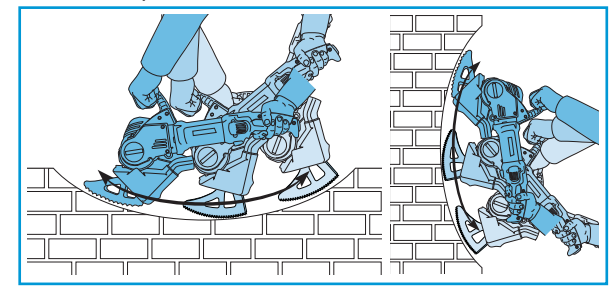
Do not block the cooling intake vents or ingest dust or debris at the rear of the motor as this may cause the motor to overheat. If working in dusty conditions, it is recommended that the vents be regularly cleaned with an air blast.

CAUTION

Do not operate the tool if the blades are loose. Operation with loose blades will severely damage the blade mount & bolts requiring repair. Check that the teeth of the blades are lightly contacting, or within approximately 1mm (1/16") of contacting each other.

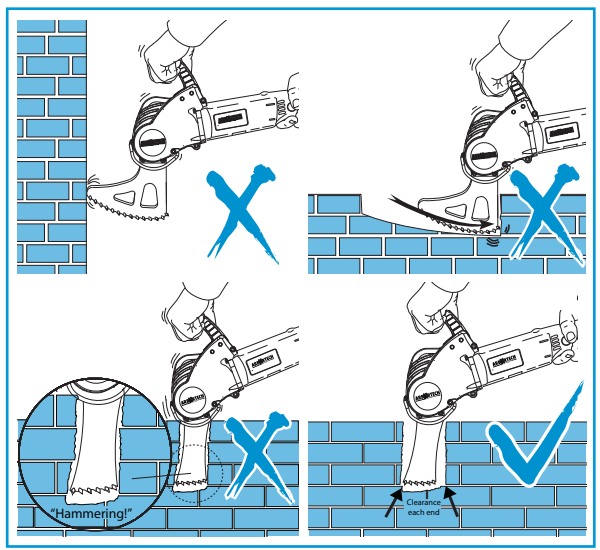
To start the cut, hold the tool firmly in your hands and apply the middle of the blade cutting edge to the work, keeping in mind that the direction of cut is towards the rear of the blades.

While cutting, move the tool and blade in a slow "sawing" motion, which improves the cut rate, reduces concentrated heat build-up and evens the wear on the blades.



Do Not allow the forward or rear end of the blades to hammer onto hard surfaces as this will damage the blades and tool. If unintentional hammering occurs, stop the tool or withdraw it from the cut immediately.

When using any of the blade types, avoid hammering of the ends of the blades into the ends of the cut by using a slow rocking and sweeping motion. For best performance try to ensure that the teeth are the only part of the blade in contact with the workpiece.



CAUTION

Take care when setting the tool down to avoid chipping the tungsten carbide teeth.

CAUTION

During operation the Allsaw may cause hand-arm vibration, which can result in fatigue or discomfort after long periods of continuous use. Vibration will increase with the hardness of material.

Do not operate the tool if discomfort is experienced, and ensure that sufficient rest periods are taken during cutting. For further information, contact the manufacturer.

CONTROLLING BLADES

IMPORTANT

To ensure optimal performance and reduce load on motor, Blades should be kept sharp.

With use, the blades will become dull and the cutting performance will decrease. This can be largely restored by re-sharpening the teeth.

For more information about re-sharpening teeth contact HSS Hire.

Occasionally, if very hard materials are cut, or the teeth impact a hard surface at an odd angle, teeth may become chipped or broken. The blades can still be used, but cutting performance will be reduced.

If "blueing" of the blade periphery occurs, the blades are running too hot. This occurs when the blades become worn, too much force being used, insufficient "sweeping" motion by the operator, or material being too hard.

EQUIPMENT CARE

Removing dust and grit out of the motor and switch assembly is a necessary regular maintenance procedure. Dust and grit particles often accumulate on interior surfaces and can cause premature failure.

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 equipment 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 secure.

FINISHING OFF

Switch off the tool. Wait for motor to stop and for the blade to stop moving. Disconnect from mains. If the saw is not to be used again, remove the cutting blade by simply reversing the fitting procedure.

Collect all parts together and give them a final clean up ready for return, local 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>

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.

 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 and footwear. 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.

Never leave the unit running and unattended. Always switch off and wait for moving parts to come to rest before making adjustments to it.

Always make sure that any adjusting key or wrench are removed from the power tool, before turning it 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.

If additional devices are used with this equipment (ie. dust extraction tool etc.), ensure they are connected and properly used. Use of these devices can reduce dust-related hazards.

Always ensure that before cutting there are no hazards such as electrical wiring, pipes or insulation in the area to be cut.

Always disconnect the plug from the power source

before making any adjustments, changing accessories, or storing power tools.

Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. Use a clean, dry cloth only.

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

Keep handles dry, clean and free from oil and grease.

Always operate the tool holding it with both hands.

Do not force the tool. It is designed to operate with moderate effort. Overheating of the drive system and motor can occur if the tool is overloaded.

Use care when handling blades during and after use. The blades and some areas of the tool become hot in use.

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

ELECTRICAL SAFETY

The HSS Allsaw plugs into a 110V power supply so it must be provided with a suitable 110V generated power supply, or powered from the mains via a suitable 110v transformer.

Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.

Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

If the equipment fails, or if its power supply cable or plug becomes damaged, return it. Never try to repair it yourself.

The Allsaw has a powerful 110v motor, capable of drawing up to 17 amps under load. It is therefore important that any transformer / extension lead used is of the heavy duty rating required, to maintain a constant supply all the way to the saw itself. Inadequate rating / sharing of power supply or extension cables over loading of generators will result in a drop of voltage at the motor and cause overheating and damage to the cable and motor.


Keep cables out of harm's way, and clear of the work area.

Extension leads should be fully unwound and loosely coiled, away from the equipment. Never run them through water, over sharp edges or where they could trip someone.

When operating a power tool outdoors, use an extension cord suitable for outdoor use.

Always remove the plug from the current socket before undertaking any type of intervention on the HSS Allsaw or if it is left unattended or within children.

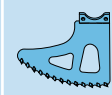
Always switch OFF the machine before removing mains plug.

 To reduce the risk of electric shock, always use a suitable RCD (Residual Current-Operated Device) available from HSS Hire.

Avoid accidental starting. Ensure the machine and power socket are switched OFF before plugging into the power supply.

IDENTIFIER

Blades



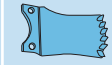
General Purpose blades use Tungsten Carbide teeth and are suited for 50 MPA material. General Purpose blades are designed to cut to a depth of 115mm.



Plunge blades use Tungsten Carbide teeth and have a maximum cutting depth of 120mm. Mortar plunge blades can cut slots of 75mm in length.



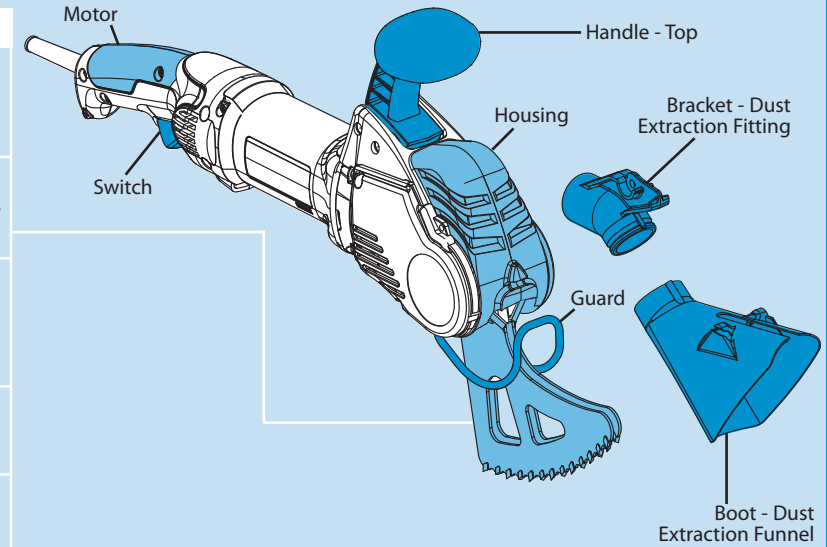
Switch Box blades Use Tungsten Carbide teeth and have a maximum cutting depth of 120mm. Suitable for installing small electrical switch boxes into plaster, brick/ masonry walls.



Head Joint blades are used for removing the mortar between the bricks in restoration work. Maximum cutting depth of 35mm.



Wood blades are used for cutting clean wood and have a maximum cutting depth of 110mm.



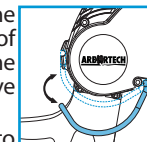
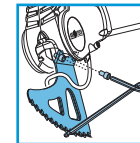
GETTING STARTED

HSS Allsaw is designed for cutting bricks, mortars and masonry using two reciprocating blades. It can also be used for cutting holes in walls or other surfaces as well as cutting in dirty wood, or tree root removal.

Never use the HSS Allsaw until you have fully read and understood this User Guide and the machine has been properly set up using the information it contains.

FITTING / CHANGING BLADES

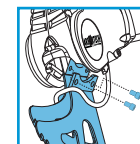
Before changing blades, the guard around the blade mounts must be levered gently out of its groove at the front of the tool and swung away to give access to the cap screws.



Use the "lan key" supplied to loosen and remove the cap screws securing the blades, then remove the blades.

WARNING

Always use matched pairs of blades. Never mix used blades with new blades. Use only the bolts supplied with the tool.



Select the correct blades for the cutting task and mount each with their cap screws. Verify that the surfaces of the blade mounts, conrod thread and screws are clean and free of grit or lubricant before fitting. Ensure the guard can be closed before fixing the blades to the conrod.

Use the key, to tighten the blade mounting screws until the torque indicator coil deflects sufficiently so that the sides meet.

The blade cap screws should be regularly checked for correct torque (18Nm.) Whenever blades are changed, the bolt and conrod threads should be checked to ensure they are not worn or filled with debris.

CAUTION

Do not operate the tool if the blades are loose. Operation with loose blades will severely damage the blade mount & bolts requiring repair.

When fitting make sure the blades are lightly contacting, or within approximately 1mm of contacting each other.

If the gap between the blades is too large, gently bend inward to adjust the gap. Ensure that both blades are aligned vertically to the tool

NOTE: Blades are a wearing part. In normal operation, blade life may vary with the hardness of materials cut.

DUST EXTRACTION

This tool can be fitted with a dust extraction funnel, which significantly reduces airborne and heavy dust when used correctly. It consists of a fitting attached to the underside of the aluminium housing and an adjustable extraction funnel which is replaceable. The dust extraction fitting has a standard 30mm bore.



NOTE: Failure to use the dust extraction funnel when cutting masonry materials may cause excessive wear of components.

CAUTION

Verify that the vacuum machine being used has a filter system appropriate for the material being cut. Wrong filtration can result in inadequate dust control and also possible damage to the vacuum machine.