



Using the AS170 Allsaw

1. Wear protective equipment including ear defenders, dust mask and goggles.
2. Switch off and remove the plug from the socket before making adjustments or changing the blades. Note the blade teeth face to the back of the saw.
3. Using only the **Special Ian/Torque Key supplied**, check that the blades are fitted correctly and Blade Bolts tightened to the correct torque **18Nm**. See instructions overleaf.
4. Hold the saw firmly with both hands while working.
5. The blades cut on the backstroke. Keep bringing the blade teeth out of the cut to clear the dust from the cut.
6. Make sure that any ventilation slots in the saw are clear; do not cover them with your hand when holding the saw.
7. If the saw starts to labour and slow down, do not force it so hard. Do not overload the saw. If the blades jam in the cut, release the trigger and free the blades manually; using the motor would cause the belt to slip, burn and break.
8. Stop the saw if someone approaches you.
9. Keep the cable clear of the blade.
10. If the cable appears to be cut or damaged in any way, switch off and unplug at the socket before inspecting it. If the cable attached to the AS170 Allsaw is damaged stop using the machine. Contact the hire company. If an extension cable has been damaged, do not use it again.
11. After switching off, wait for the blades to stop completely before putting the machine down.
12. Switch off and remove the plug from the socket before leaving the AS170 Allsaw unattended.
13. If the equipment does not work properly do not attempt to repair it. Contact the company that supplied the Allsaw.
14. You may want to read this leaflet again. Please keep it safely until you have finished the work.

You may want to read this leaflet again. Please keep it safe until you finish work.



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CAUTION Verify that the vacuum machine being used has a filter system appropriate for the material being cut. Incorrect filtration can result in inadequate dust control, causing a hazard to the operator, bystanders, the public and the environment.

During operation the AS170 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.

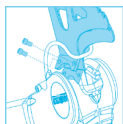
FOR FURTHER INFORMATION, CONTACT THE ARBOTECH HELPLINE: 0800 980 999



The AS170 Allsaw can be fitted with a dust extraction funnel when used correctly. It is attached to the wire guard and extraction fitting.

The adjustable extraction funnel is replaceable when it becomes worn. The dust extraction fitting has a standard 30mm bore, a stepped rubber adaptor connects.

DUST EXTRACTION



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

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

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



Using the Ian/Torque Key supplied loosen and remove blade bolts securing the blades, then remove the blades.

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

Do not force the tool when cutting. The AS170 Allsaw uses a drive belt, which will slip if the blades become jam. Excessive slipping will wear the belt prematurely.

FITTING/CHANGING BLADES

manually without the motor running.

Ease jammed blades out by gently rocking the saw.

Use a drive belt, which will slip if the blades become jam. Excessive slipping will wear the belt prematurely.

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 be reduced.

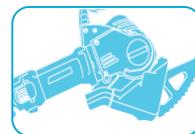
Occasionally, if very hard materials are cut or the teeth impact a hard surface at an odd angle, teeth may become chipped or broken. The blades can still be used, but by re-sharpening the teeth. For more information about re-sharpening teeth contact the hire company.

BLADES AND MAINTENANCE

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment

NEVER USE THE AS170 ALLSAW UNTIL YOU HAVE READ THIS LEAFLET

1. If you have not used the AS170 Allsaw before read these instructions, watch the videos, then familiarise yourself with the machine on some straightforward work before starting on the main task.
2. Plan your work and think ahead to make sure you will always be working safely.
3. A sawing or rocking motion must be used whilst operating the AS170 Allsaw – See instructions overleaf.
4. The AS170 Allsaw cuts: mortar, soft bricks & stone, light density concrete blocks up to 50mpa, tree roots, wood, composite materials and plastics.
5. Electricity is dangerous and must always be used with great care.
6. The following items of personal protective equipment must be worn as a minimum; goggles, a dust mask – to provide ffp3(s) protection; safety boots, industrial quality gloves, if using a 240v (mains) supply an RCD (Residual Current Device) must be used.
7. A personal first-aid kit should be available.
8. The AS170 Allsaw must not be used by young persons, or by anyone under the influence of drugs or alcohol.
9. The AS170 Allsaw is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.
10. Watch these educational videos to familiarise yourself with the correct use of the saw and each blade type:



Plunge Blades Cutting Techniques

www.youtube.com/watch?v=GErQVcAj4U



General Purpose Blades Cutting Techniques

www.youtube.com/watch?v=5QaA-3XnE2U



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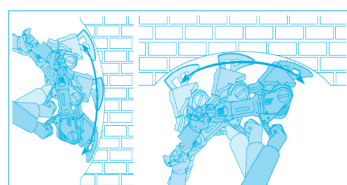
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CAUTION Take care when setting the tool down to avoid chipping the tungsten carbide teeth.

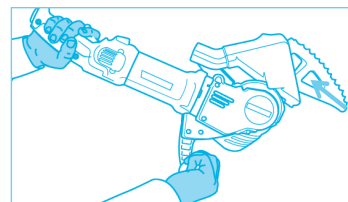
Do not allow the forward or rear end of the blades to hammer onto hard surfaces as this will damage the blades and tool. If unintentional hammering occurs, stop the tool or withdraw it from the cut immediately.



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

Avoid hammering the end of the blades in the ends of the cut by using this slow sawing, sweeping motion.

For best performance ensure that the teeth are the only part of the blades in contact with the work piece, maintaining free space for the blades to move into while cutting.



Hold the tool by both the rear handle and the trigger handle with the motor running 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.

TO START THE CUT

NOTE: all cable reels must be fully unwound before use. (Residual Current Device).

240 volt supply – a 13 amp supply protected by an RCD

length of 25 metres.

13amp Extension Leads can be used up to a maximum of 1.5mm

Alisaw is supplied with sufficient power. However, 1.5mm

Extension Leads is recommended - to ensure that the

110v Extension Leads: The use of 2.5mm (13amp Generator (minimum supply required per AS170 Allsaw).

110 volt supply - a 3.3KVA transformer or 3KVA the tool into the power supply.

With the blades secured and the tool switched off, plug the vents be regularly cleaned with an air blast.

working in dusty conditions it is recommended that cause the motor to overheat. If debris at the rear as this may intake vents or ingest dust or

Do not block the cooling

approach approximately 1mm (1/16") or

toughness each other.

Operation with loose blades will severely damage the blade mounts and bolts requiring repair. Check that the teeth of the blades are lightly touching, or within

Do not operate the tool if the blades are loose.



ESSENTIAL CUTTING TECHNIQUES AND POWER CAUTION