



# 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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## FOR FURTHER INFORMATION, CONTACT THE ARBOTCH HELPLINE: 0800 980 999

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.

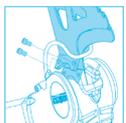
CAUTION Verify that the vacuum machine being used has a filter system appropriate for the material being cut. Incorrect filtration can result in inadequate dust control, causing a hazard to the operator, bystanders, the public and the environment.



The AS170 Allsaw can be fitted with a dust extraction funnel which will significantly reduce airborne and heavy dust when used correctly. It is attached to the wire guard or fitted with debris.

## DUST EXTRACTION

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



Using the 'Ian/Torque Key', tighten the blade bolts until the long shaft of the Ian/Torque Key meets and touches the short flats and touches the short Ian/Torque Key.

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 Ian/Torque Key supplied

Using the Ian/Torque Key, 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.

USE ONLY the special Ian/Torque Key supplied with the saw to change the blades and tighten the bolts. The Ian/Torque Key tightens the Blade Bolts to the correct torque 18Nm, this is achieved when the long shaft of the Ian/Torque Key touches the short Ian/Torque Key mounts and touches the short Ian/Torque Key.

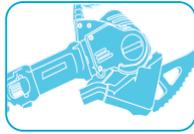
## FITTING/CHANGING BLADES

Do not force the tool when cutting. The AS170 Allsaw uses a drive belt, which will slip if the blades should jam. Excessive slipping will wear the belt prematurely. Ease jammed blades out by gently rocking the saw manually without the motor running.

IMPORTANT: To ensure optimal performance and reduce heat build-up and even the wear on the blades, sweeping motion 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 cutting performance will be reduced.

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=GzErQVcAj4U](http://www.youtube.com/watch?v=GzErQVcAj4U)



General Purpose Blades Cutting Techniques  
[www.youtube.com/watch?v=5QQA-3XnE2U](http://www.youtube.com/watch?v=5QQA-3XnE2U)

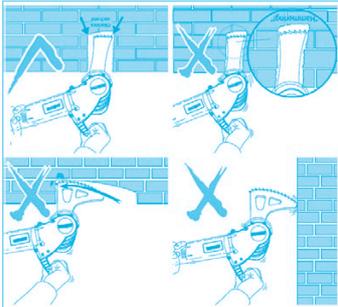


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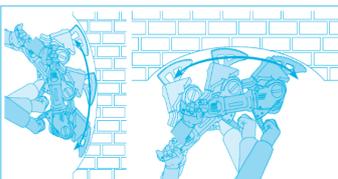
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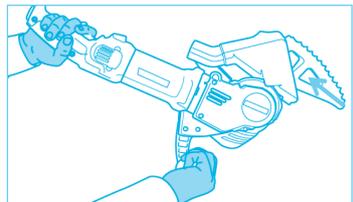
## CAUTION Take care when setting the tool down to avoid chipping the tungsten carbide teeth.



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 even 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 top handle and the trigger handle and 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 (Residual Current Device).  
240 volt supply – a 3.3KVA transformer or 3KVA Generator (minimum supply required per AS170 Allsaw).  
110 volt supply – The use of 2.5mm Tamp Extension Leads is recommended - to ensure that the Allsaw is supplied with sufficient power. However 1.5mm Tamp Extension Leads can be used up to a maximum length of 25 metres.

Do not block the cooling intake vents or ingest dust or working in dusty conditions it is recommended that the vents be regularly cleaned with an air blast. With the blades secured and the tool switched off, plug the tool into the power supply.

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 approximately 1mm (1/16") of each other.

Do not operate the tool if the blades are loose. CAUTION AND POWER ESSENTIAL CUTTING TECHNIQUES