



# 0325 Safety Guidance

## **AS170 Allsaw**

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**

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



- A sawing or rocking motion must be used whilst operating the AS170 Allsaw See instructions overleaf.
- The AS170 Allsaw cuts: mortar, soft bricks & stone, light density concrete blocks up to 50mpa, tree roots, wood, composite materials and plastics.
- Electricity is dangerous and must always be used with great care.
- 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.
- A personal first-aid kit should be available.
- The AS170 Allsaw must not be used by young persons, or by anyone under the influence of drugs or alcohol.
- 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.
- Watch these educational videos to familiarise yourself with the correct use of the saw and each blade type:

#### **Plunge Blades Cutting Techniques** -GEzOVcAi4U



**General Purpose Blades Cutting Techniques** 









44 (0) 121 333 4109 44 (0) 121 380 4600 The Crescent Birmingham Business Park noo sinegen uce

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## **Using the AS170 Allsaw**

- 1. Wear protective equipment including ear defenders, dust mask and goggles.
- 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.
- Using only the Special lan/Torque Key supplied, check that the blades are fitted correctly and Blade Bolts tightened to the correct torque 18Nm. See instructions overleaf. 9
- Hold the saw firmly with both hands while working.
- The blades cut on the backstroke. Keep bringing the blade teeth out of the cut to clear the
- Make sure that any ventilation slots in the saw are clear; do not cover them with your hand when holding the saw.
- 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.
- Stop the saw if someone approaches you.
- 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
- 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
- 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

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







2450 Regents Court

The Crescent







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

oberate the tool it discomfort is experienced and with the hardness of material. Do not after long periods of continuous use. Vibration will n which can result in fatigue or discor During operation the ASTO may cause nand-arm

control, causing a hazard to the operator, bystanders, cut, incorrect filtration can result in inadequate dust a fifter system appropriate for the material being CAUTION Verify that the vacuum machine being used



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

and extraction itting. dust when used correctly. It is attached to the wire guard el which will significantly reduce airborne and heavy The Astronomical can be titted with a dust extraction

## DOST EXTRACTION

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

shaft going into the blade Bolt meets and touches the short long shaft of the lan/Torque Key tighten the blade boits until the Using the "lan/Torque Key,



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

vith new blades. Use only the boits supplied with the piades, Never mix used biades WARNING Always use matched

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men remove the blades. piade boits securing the blade cey supplied loosen and remove



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

shaft going into the Blade Bolt as you tighten the bolts. shaft of the lan/ lorque Key meets and touches the short ct torque 18Nm, this is achieved when the long the saw to change the blades and tighten the bolts.

The lan/Torque Key tightens the Blade Bolts to the USE ONLY THE Special Ian/ lorque key supplied with

## FIT TING/CHANGING BLADES

manually without the motor running. Ease Jammed biades out by gently rocking the saw Excessive slipping will wear the belt prematurely. nses a drive beit, which will slip it the biades should Do not force the tool when cutting. The AST70 Alls

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

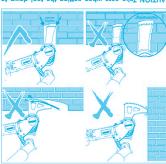
cutting performance will be reduced. impact a hard surface at an odd angle, feeth may become chipped or broken. The blades can still be used, but Occasionally, if very hard materials are cut or the teeth

sustbening teeth contact the nire company. by re-sharpening the teeth. For more information about reperformance will decrease. This can be largely restored With use, the blades will become dull and the cutting

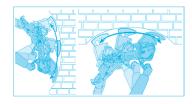
IMPDATABLE to ensure optimal performance and

BLADES AND MAIN I ENANCE

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



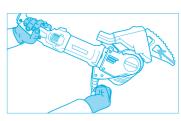
stop the tool or withdraw it from the cut immediately. nonai nammering occurs, blades and tool. If uninter to hard surfaces as this will damage th Do not allow the forward or rear end of the blades to



maintaining free space for the blades to move into while part or the blades in contact with the work pier For best performance ensure that the teeth are the only

THE CUT BY USING THIS SIOW SAWING, SWEEPING THOUGH. Avoid hammering the end of the blades in the ends of

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



the direction of cut is towards the rear of the blades. the blade cutting edge to the work, keeping in mind that nandle and with the motor running apply the middle of Hold the tool by both the top handle and the trigger

### TO START THE CUT NOTE: all cable reels must be fully unwound before use.

(Hesiauai Current Device). 240 volt supply - a 13 amp supply protected by an RCD

ength of 25 metres.

Jeamp Extension Leads can be used up to a maximum Allsaw is supplied with sufficient power. However 1.5mm Extension Leads is recommended - to ensure that the sion Leads: The use of 2.5mm 16amp Generator (minimum supply required per AS170 Allsaw). AVXE to remreformer or 3KVXE is - Vigque 110 volt the tool into the power supply.

WITH THE DIAGES SECURED AND THE TOO! SWITCHED OIT, PIUG the vents be regularly cleaned with an air blast.

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



e lightly touching, or within the teeth of the blades a blade mounts and bolts requiring repair. Check that nsion with loose blades will severely dai Do not operate the tool if the blades are loose. NOITUAD

**AND POWER** ESSENTIAL CUTTING TECHNIQUES